

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL		1. WELL NAME and NUMBER GMBU H-36-8-17
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		3. FIELD OR WILDCAT MONUMENT BUTTE
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO		5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY		7. OPERATOR PHONE 435 646-4825
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052		9. OPERATOR E-MAIL mcrozier@newfield.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-44305	11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1916 FNL 1996 FWL	SENW	36	8.0 S	17.0 E	S
Top of Uppermost Producing Zone	1378 FNL 2563 FWL	SENW	36	8.0 S	17.0 E	S
At Total Depth	1115 FNL 2413 FEL	NWNE	36	8.0 S	17.0 E	S

21. COUNTY UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet) 1115	23. NUMBER OF ACRES IN DRILLING UNIT 20
27. ELEVATION - GROUND LEVEL 5006	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1328	26. PROPOSED DEPTH MD: 6447 TVD: 6447
	28. BOND NUMBER B001834	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	138	1.17	15.8
Prod	7.875	5.5	0 - 6447	15.5	J-55 LT&C	8.3	Premium Lite High Strength	307	3.26	11.0
							50/50 Poz	363	1.24	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Mandie Crozier	TITLE Regulatory Tech	PHONE 435 646-4825
SIGNATURE	DATE 02/25/2011	EMAIL mcrozier@newfield.com
API NUMBER ASSIGNED 43047515050000	APPROVAL  Permit Manager	

NEWFIELD PRODUCTION COMPANY
 GMBU H-36-8-17
 AT SURFACE: SE/NW SECTION 36, T8S, R17E
 UTAH COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1600'
Green River	1600'
Wasatch	6285'
Proposed TD	6447'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 1600' – 6285'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO ₃) (mg/l)
Dissolved Bicarbonate (NaHCO ₃) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO ₄) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. **PROPOSED CASING PROGRAM**

a. **Casing Design: GMBU H-36-8-17**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950	1,370	244,000
						17.53	14.35	33.89
Prod casing 5-1/2"	0'	6,447'	15.5	J-55	LTC	4,810	4,040	217,000
						2.34	1.97	2.17

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient -- gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg
 Pore pressure at surface casing shoe = 8.33 ppg
 Pore pressure at prod casing shoe = 8.33 ppg
 Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. **Cementing Design: GMBU H-36-8-17**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	300'	Class G w/ 2% CaCl	138	30%	15.8	1.17
			161			
Prod casing Lead	4,447'	Prem Lite II w/ 10% gel + 3% KCl	307	30%	11.0	3.26
			1002			
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363	30%	14.3	1.24
			451			

- *Actual volume pumped will be 15% over the caliper log
- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ±350 feet will be drilled with an air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ±350 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBDT to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the second quarter of 2011, and take approximately seven (7) days from spud to rig release.

2-M SYSTEM

Blowout Prevention Equipment Systems

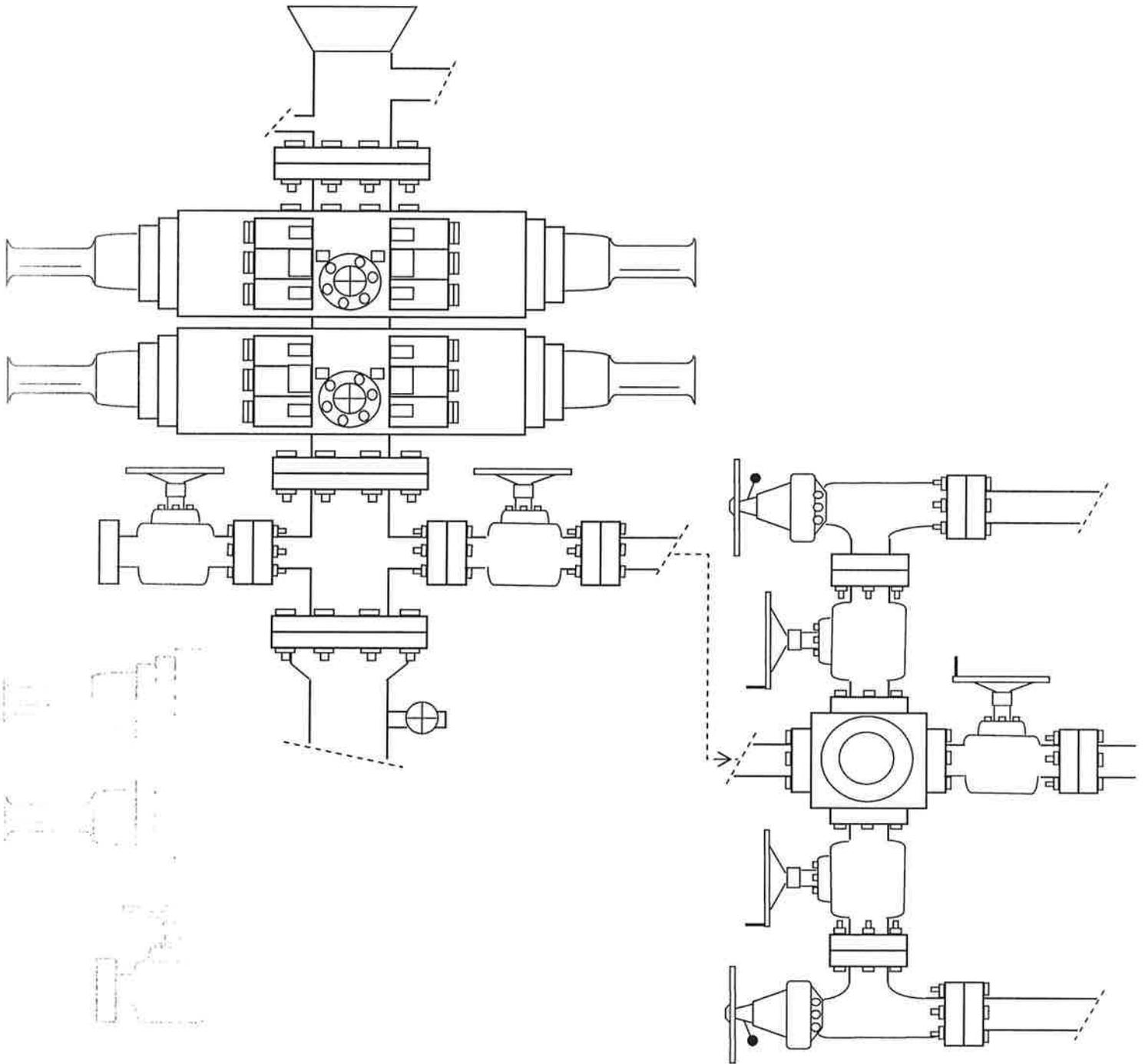
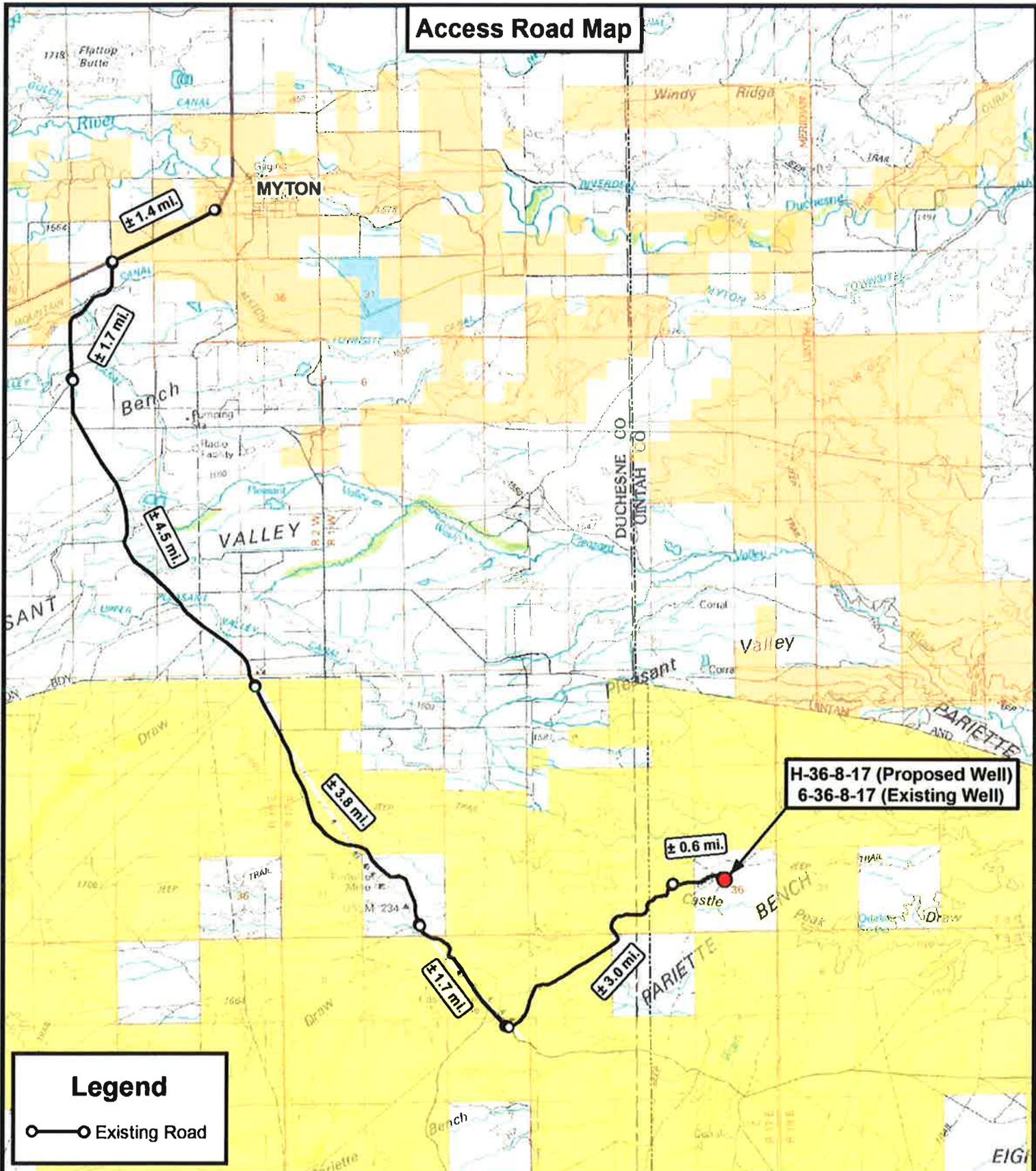


EXHIBIT C

Access Road Map



Legend

○—○ Existing Road

Tri State Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
 F: (435) 781-2518

DRAWN BY:	C.H.M.
DATE:	02-01-2011
SCALE:	1:100,000



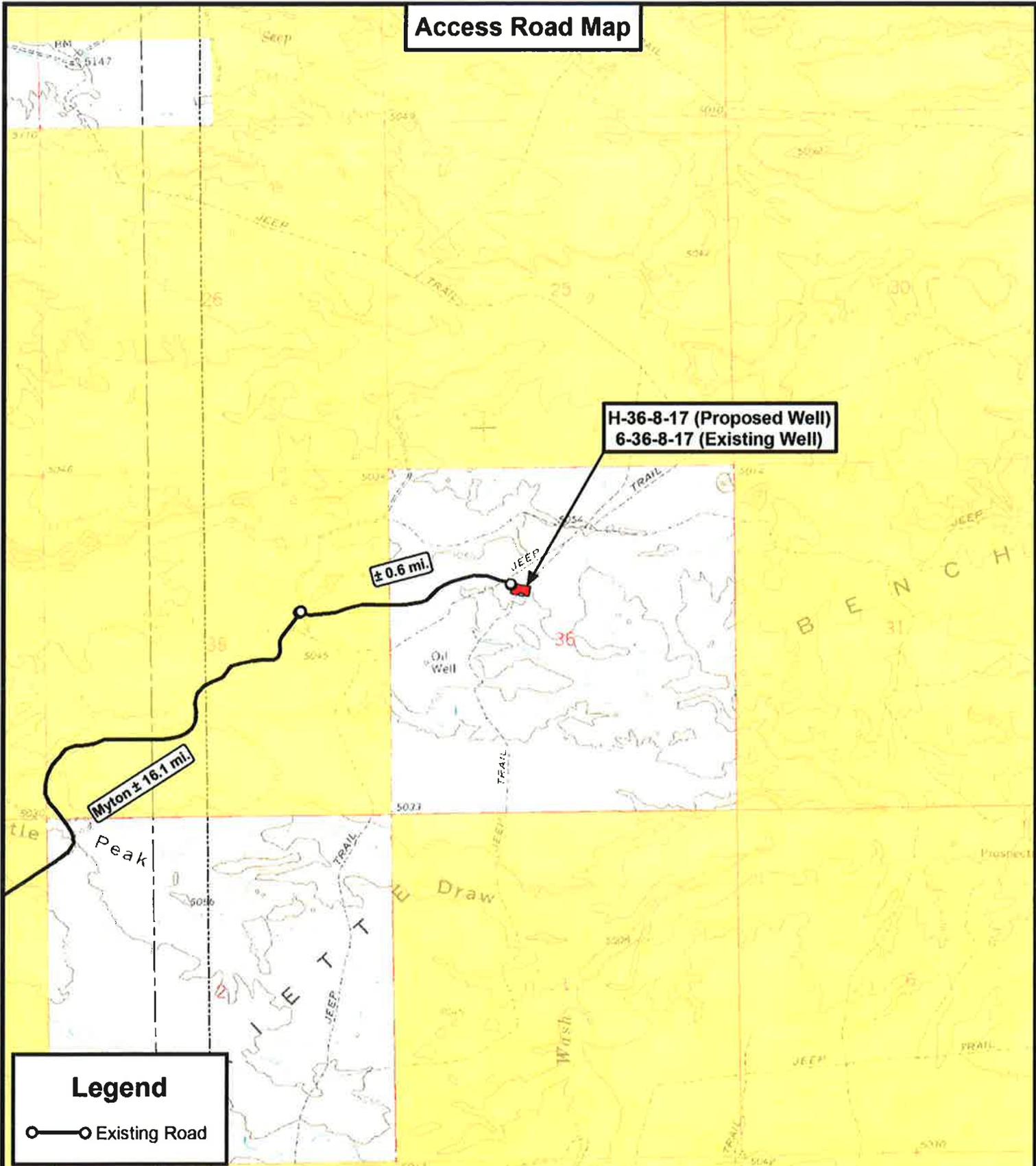
NEWFIELD EXPLORATION COMPANY

H-36-8-17 (Proposed Well)
 6-36-8-17 (Existing Well)
 SEC. 36, T8S, R17E, S.L.B.&M.
 Uintah County, UT.

TOPOGRAPHIC MAP

SHEET **A**

Access Road Map



Legend

○—○ Existing Road



**Tri State
Land Surveying, Inc.**
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

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NEWFIELD EXPLORATION COMPANY

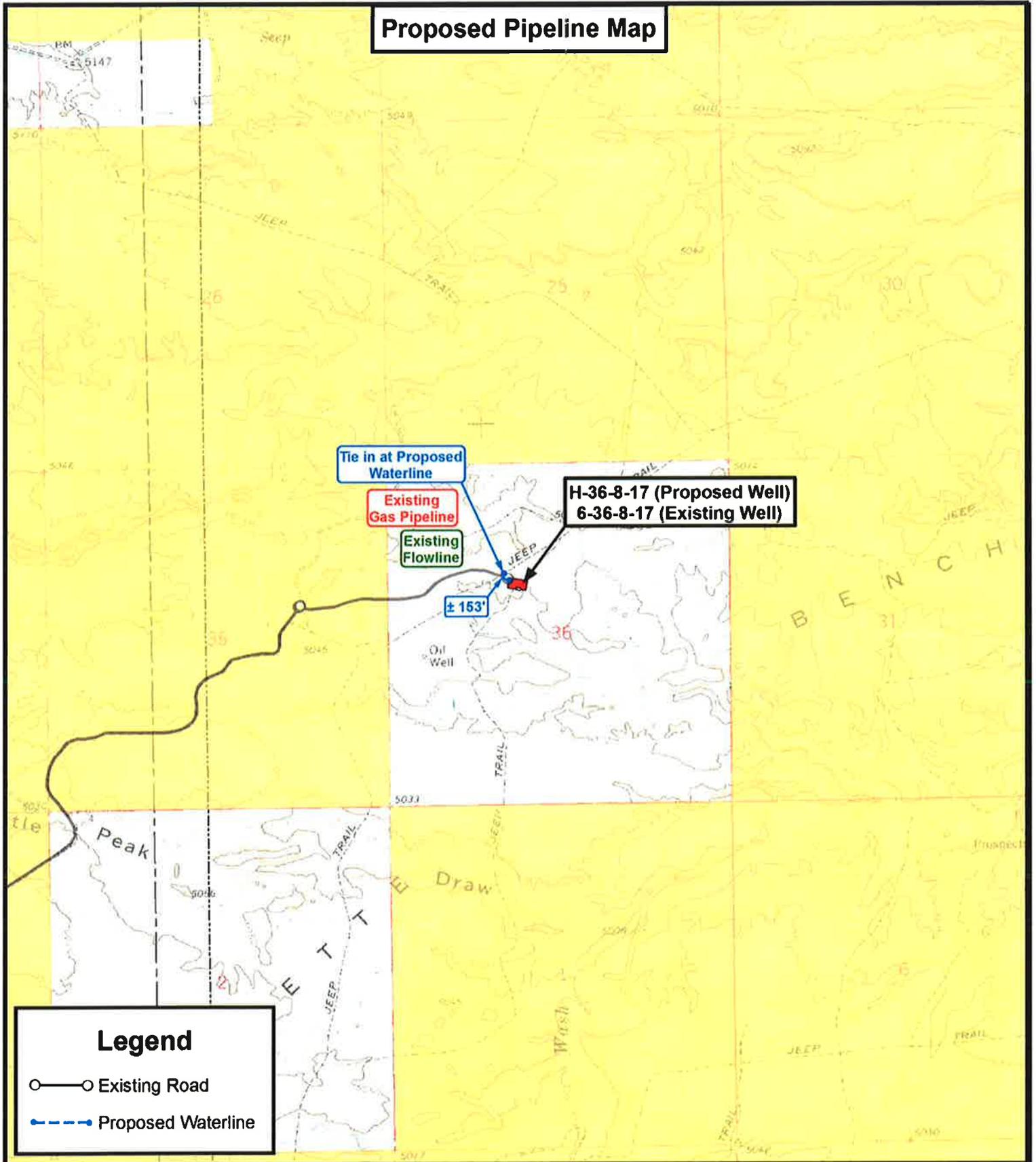
H-36-8-17 (Proposed Well)
6-36-8-17 (Existing Well)
SEC. 36, T8S, R17E, S.L.B.&M.
Uintah County, UT.

DRAWN BY:	C.H.M.
DATE:	02-01-2011
SCALE:	1" = 2,000'

TOPOGRAPHIC MAP

SHEET **B**

Proposed Pipeline Map



Legend

- Existing Road
- Proposed Waterline

Tri State Land Surveying, Inc.
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NEWFIELD EXPLORATION COMPANY

H-36-8-17 (Proposed Well)
 6-36-8-17 (Existing Well)
 SEC. 36, T8S, R17E, S.L.B.&M.
 Uintah County, UT.

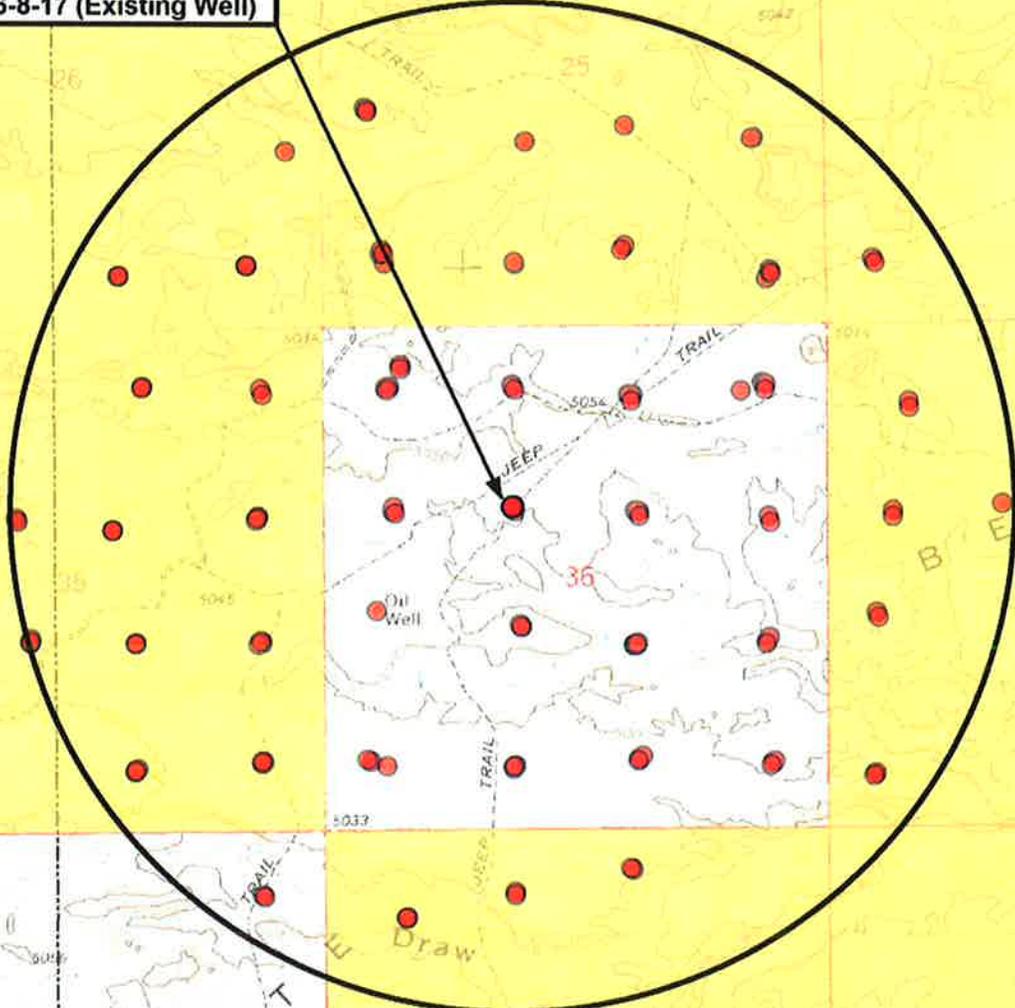
DRAWN BY:	C.H.M.
DATE:	02-01-2011
SCALE:	1" = 2,000'

TOPOGRAPHIC MAP

SHEET **C**

Exhibit "B" Map

H-36-8-17 (Proposed Well)
6-36-8-17 (Existing Well)



Legend

- 1 Mile Radius
- Pad Location



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Land Surveying, Inc.
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NEWFIELD EXPLORATION COMPANY

H-36-8-17 (Proposed Well)
6-36-8-17 (Existing Well)
SEC. 36, T8S, R17E, S.L.B.&M.
Uintah County, UT.

DRAWN BY:	C.H.M.
DATE:	02-01-2011
SCALE:	1" = 2,000'

TOPOGRAPHIC MAP

SHEET
D

NEWFIELD



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 36 T8S, R17E
H-36-8-17**

Wellbore #1

Plan: Design #1

Standard Planning Report

27 January, 2011





PayZone Directional Services, LLC.

Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well H-36-8-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	H-36-8-17L @ 5018.0ft (Newfield Rig)
Project:	USGS Myton SW (UT)	MD Reference:	H-36-8-17L @ 5018.0ft (Newfield Rig)
Site:	SECTION 36 T8S, R17E	North Reference:	Grid
Well:	H-36-8-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 36 T8S, R17E				
Site Position:		Northing:	7,200,290.92 ft	Latitude:	40° 4' 35.190 N
From:	Lat/Long	Easting:	2,072,102.31 ft	Longitude:	109° 57' 26.000 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.99 °

Well	H-36-8-17, SHL LAT: 40 04 35.19 LONG: -109 57 26.00					
Well Position	+N/-S	0.0 ft	Northing:	7,200,290.91 ft	Latitude:	40° 4' 35.190 N
	+E/-W	0.0 ft	Easting:	2,072,102.31 ft	Longitude:	109° 57' 26.000 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	5,018.0 ft	Ground Level:	5,006.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2011/01/27	11.32	65.85	52,344

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	46.47

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,440.1	12.60	46.47	1,433.4	63.4	66.7	1.50	1.50	0.00	46.47	
5,094.8	12.60	46.47	5,000.0	612.5	644.8	0.00	0.00	0.00	0.00	H-36-8-17 TGT
6,447.4	12.60	46.47	6,320.0	815.8	858.8	0.00	0.00	0.00	0.00	



PayZone Directional Services, LLC.

Planning Report



Database: EDM 2003.21 Single User Db
 Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R17E
 Well: H-36-8-17
 Wellbore: Wellbore #1
 Design: Design #1

Local Co-ordinate Reference: Well H-36-8-17
 TVD Reference: H-36-8-17L @ 5018.0ft (Newfield Rig)
 MD Reference: H-36-8-17L @ 5018.0ft (Newfield Rig)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	46.47	700.0	0.9	0.9	1.3	1.50	1.50	0.00
800.0	3.00	46.47	799.9	3.6	3.8	5.2	1.50	1.50	0.00
900.0	4.50	46.47	899.7	8.1	8.5	11.8	1.50	1.50	0.00
1,000.0	6.00	46.47	999.3	14.4	15.2	20.9	1.50	1.50	0.00
1,100.0	7.50	46.47	1,098.6	22.5	23.7	32.7	1.50	1.50	0.00
1,200.0	9.00	46.47	1,197.5	32.4	34.1	47.0	1.50	1.50	0.00
1,300.0	10.50	46.47	1,296.1	44.1	46.4	64.0	1.50	1.50	0.00
1,400.0	12.00	46.47	1,394.2	57.5	60.5	83.5	1.50	1.50	0.00
1,440.1	12.60	46.47	1,433.4	63.4	66.7	92.0	1.50	1.50	0.00
1,500.0	12.60	46.47	1,491.8	72.4	76.2	105.1	0.00	0.00	0.00
1,600.0	12.60	46.47	1,589.4	87.4	92.0	126.9	0.00	0.00	0.00
1,700.0	12.60	46.47	1,687.0	102.4	107.8	148.7	0.00	0.00	0.00
1,800.0	12.60	46.47	1,784.6	117.4	123.6	170.5	0.00	0.00	0.00
1,900.0	12.60	46.47	1,882.2	132.5	139.5	192.4	0.00	0.00	0.00
2,000.0	12.60	46.47	1,979.8	147.5	155.3	214.2	0.00	0.00	0.00
2,100.0	12.60	46.47	2,077.3	162.5	171.1	236.0	0.00	0.00	0.00
2,200.0	12.60	46.47	2,174.9	177.6	186.9	257.8	0.00	0.00	0.00
2,300.0	12.60	46.47	2,272.5	192.6	202.7	279.6	0.00	0.00	0.00
2,400.0	12.60	46.47	2,370.1	207.6	218.6	301.4	0.00	0.00	0.00
2,500.0	12.60	46.47	2,467.7	222.6	234.4	323.3	0.00	0.00	0.00
2,600.0	12.60	46.47	2,565.3	237.7	250.2	345.1	0.00	0.00	0.00
2,700.0	12.60	46.47	2,662.9	252.7	266.0	366.9	0.00	0.00	0.00
2,800.0	12.60	46.47	2,760.5	267.7	281.8	388.7	0.00	0.00	0.00
2,900.0	12.60	46.47	2,858.1	282.7	297.6	410.5	0.00	0.00	0.00
3,000.0	12.60	46.47	2,955.7	297.8	313.5	432.3	0.00	0.00	0.00
3,100.0	12.60	46.47	3,053.3	312.8	329.3	454.2	0.00	0.00	0.00
3,200.0	12.60	46.47	3,150.8	327.8	345.1	476.0	0.00	0.00	0.00
3,300.0	12.60	46.47	3,248.4	342.8	360.9	497.8	0.00	0.00	0.00
3,400.0	12.60	46.47	3,346.0	357.9	376.7	519.6	0.00	0.00	0.00
3,500.0	12.60	46.47	3,443.6	372.9	392.5	541.4	0.00	0.00	0.00
3,600.0	12.60	46.47	3,541.2	387.9	408.4	563.2	0.00	0.00	0.00
3,700.0	12.60	46.47	3,638.8	402.9	424.2	585.1	0.00	0.00	0.00
3,800.0	12.60	46.47	3,736.4	418.0	440.0	606.9	0.00	0.00	0.00
3,900.0	12.60	46.47	3,834.0	433.0	455.8	628.7	0.00	0.00	0.00
4,000.0	12.60	46.47	3,931.6	448.0	471.6	650.5	0.00	0.00	0.00
4,100.0	12.60	46.47	4,029.2	463.0	487.5	672.3	0.00	0.00	0.00
4,200.0	12.60	46.47	4,126.8	478.1	503.3	694.1	0.00	0.00	0.00
4,300.0	12.60	46.47	4,224.3	493.1	519.1	716.0	0.00	0.00	0.00
4,400.0	12.60	46.47	4,321.9	508.1	534.9	737.8	0.00	0.00	0.00
4,500.0	12.60	46.47	4,419.5	523.2	550.7	759.6	0.00	0.00	0.00
4,600.0	12.60	46.47	4,517.1	538.2	566.5	781.4	0.00	0.00	0.00
4,700.0	12.60	46.47	4,614.7	553.2	582.4	803.2	0.00	0.00	0.00
4,800.0	12.60	46.47	4,712.3	568.2	598.2	825.1	0.00	0.00	0.00
4,900.0	12.60	46.47	4,809.9	583.3	614.0	846.9	0.00	0.00	0.00
5,000.0	12.60	46.47	4,907.5	598.3	629.8	868.7	0.00	0.00	0.00
5,094.8	12.60	46.47	5,000.0	612.5	644.8	889.4	0.00	0.00	0.00

H-36-8-17 TGT



PayZone Directional Services, LLC.

Planning Report



Database: EDM 2003.21 Single User Db
Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R17E
Well: H-36-8-17
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well H-36-8-17
TVD Reference: H-36-8-17L @ 5018.0ft (Newfield Rig)
MD Reference: H-36-8-17L @ 5018.0ft (Newfield Rig)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,100.0	12.60	46.47	5,005.1	613.3	645.6	890.5	0.00	0.00	0.00
5,200.0	12.60	46.47	5,102.7	628.3	661.5	912.3	0.00	0.00	0.00
5,300.0	12.60	46.47	5,200.3	643.4	677.3	934.1	0.00	0.00	0.00
5,400.0	12.60	46.47	5,297.8	658.4	693.1	956.0	0.00	0.00	0.00
5,500.0	12.60	46.47	5,395.4	673.4	708.9	977.8	0.00	0.00	0.00
5,600.0	12.60	46.47	5,493.0	688.4	724.7	999.6	0.00	0.00	0.00
5,700.0	12.60	46.47	5,590.6	703.5	740.5	1,021.4	0.00	0.00	0.00
5,800.0	12.60	46.47	5,688.2	718.5	756.4	1,043.2	0.00	0.00	0.00
5,900.0	12.60	46.47	5,785.8	733.5	772.2	1,065.0	0.00	0.00	0.00
6,000.0	12.60	46.47	5,883.4	748.5	788.0	1,086.9	0.00	0.00	0.00
6,100.0	12.60	46.47	5,981.0	763.6	803.8	1,108.7	0.00	0.00	0.00
6,200.0	12.60	46.47	6,078.6	778.6	819.6	1,130.5	0.00	0.00	0.00
6,300.0	12.60	46.47	6,176.2	793.6	835.5	1,152.3	0.00	0.00	0.00
6,400.0	12.60	46.47	6,273.8	808.6	851.3	1,174.1	0.00	0.00	0.00
6,447.4	12.60	46.47	6,320.0	815.8	858.8	1,184.5	0.00	0.00	0.00

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
H-36-8-17 TGT - plan hits target - Circle (radius 75.0)	0.00	0.00	5,000.0	612.5	644.8	7,200,903.44	2,072,747.13	40° 4' 41.133 N	109° 57' 17.569 W



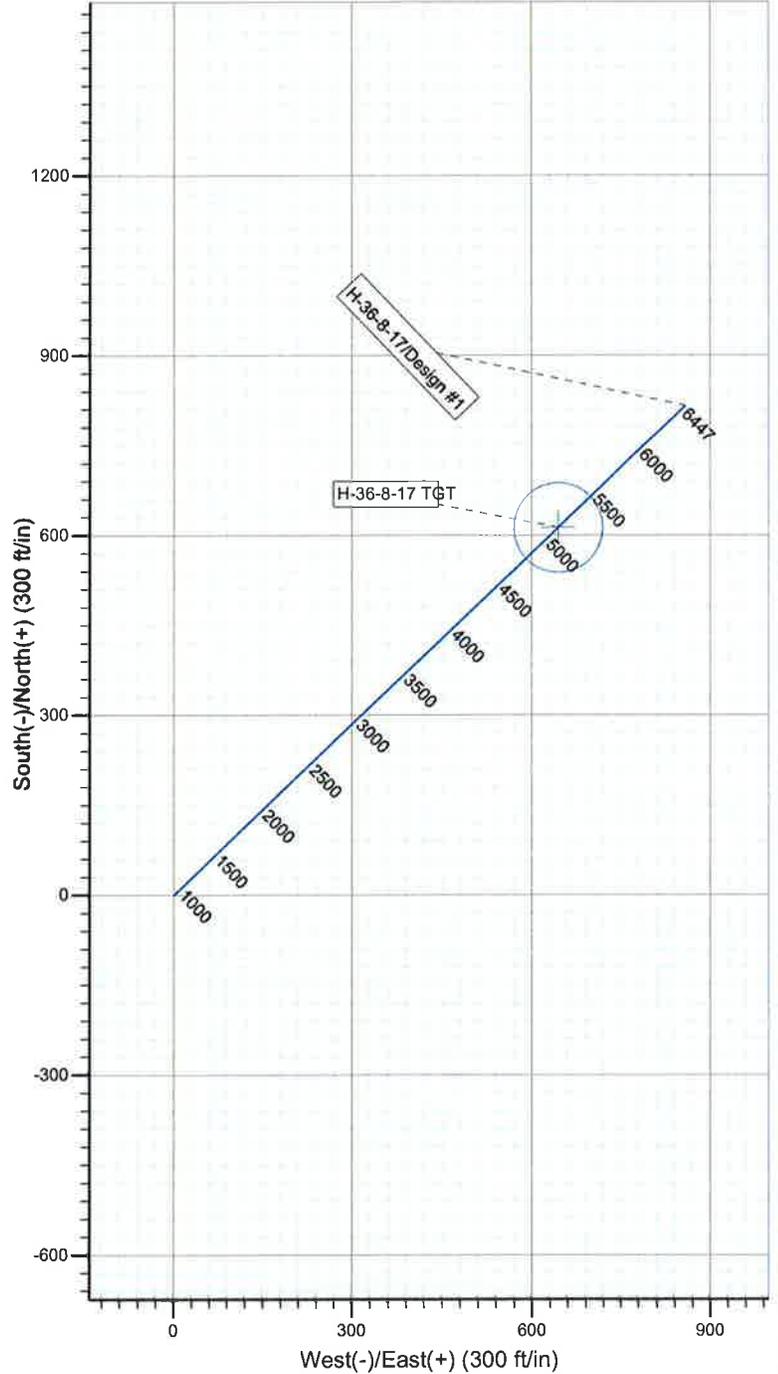
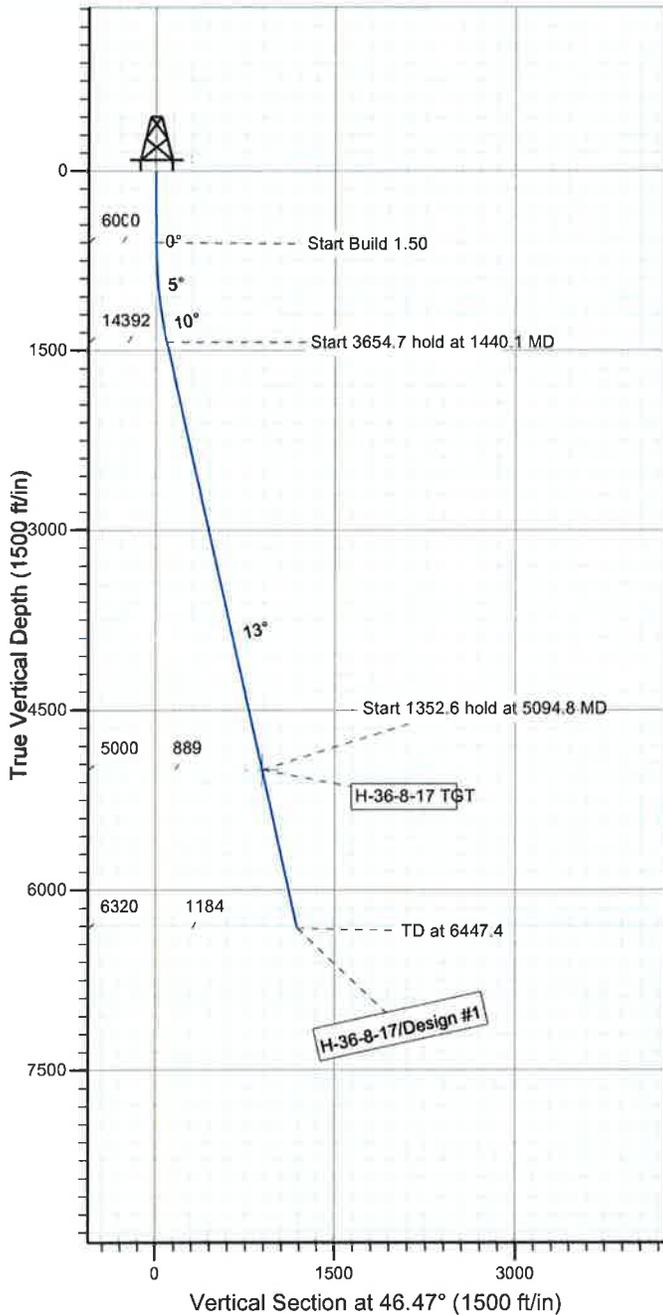
Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R17E
 Well: H-36-8-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to Grid North
 True North: -0.99°
 Magnetic North: 10.34°

Magnetic Field
 Strength: 52344.1snT
 Dip Angle: 65.85°
 Date: 2011/01/27
 Model: IGRF2010

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS IS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
H-36-8-17 TGT	5000.0	612.5	644.8	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1440.1	12.60	46.47	1433.4	63.4	66.7	1.50	46.47	92.0	
4	5094.8	12.60	46.47	5000.0	612.5	644.8	0.00	0.00	889.4	H-36-8-17 TGT
5	6447.4	12.60	46.47	6320.0	815.8	858.8	0.00	0.00	1184.5	



**NEWFIELD PRODUCTION COMPANY
GMBU H-36-8-17
AT SURFACE: SE/NW SECTION 36, T8S, R17E
UINTAH COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU H-36-8-17 located in the SE 1/4 NW 1/4 Section 36, T8S, R17E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly - 11.7 miles \pm to it's junction with an existing road to the northeast; proceed northeasterly - 3.6 miles \pm to the access road to the existing 6-36-8-17 well pad.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 6-36-8-17 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District
Water Right : 43-10136

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

Newfield Collector Well
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. **ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE:**

- a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

- b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP** – State of Utah.

12. **OTHER ADDITIONAL INFORMATION:**

Newfield Production Company requests 153' of buried water line to be granted.

Both the proposed surface gas and buried water lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** The proposed water pipelines will be buried in a 4-5' deep trench constructed with a trencher or backhoe for the length of the proposal. The equipment will run on the surface and not be flat bladed to minimize surface impacts to precious topsoil in these High Desert environments. If possible, all proposed surface gas pipelines will be installed on the same side of the road as existing gas lines. The construction phase of the planned access road, proposed gas lines and proposed water lines will last approximately (5) days.

In the event that the proposed well is converted to a water injection well, a Sundry Notice form will be applied for through the State of Utah DOGM.

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities

Water Disposal

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the GMBU H-36-8-17, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU H-36-8-17, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

Representative

Name: Tim Eaton
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #H-36-8-17, Section 36, Township 8S, Range 17E: Lease ML-44305 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #B001834.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

2/25/11
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

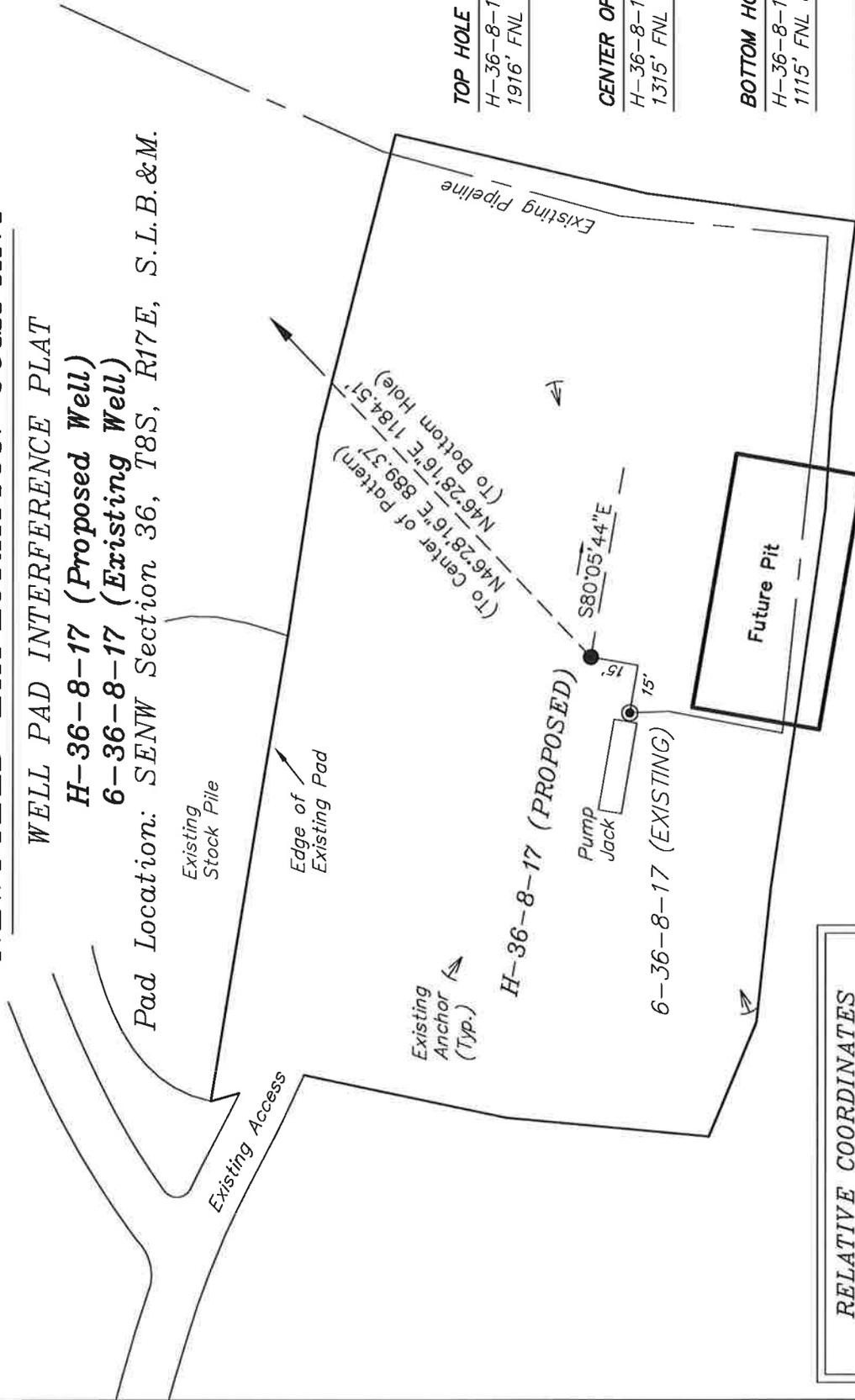
NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

H-36-8-17 (Proposed Well)

6-36-8-17 (Existing Well)

Pad Location: SENW Section 36, T8S, R17E, S.L.B.&M.



TOP HOLE FOOTAGES

H-36-8-17 (PROPOSED)
1916' FNL & 1996' FWL

CENTER OF PATTERN FOOTAGES

H-36-8-17 (PROPOSED)
1315' FNL & 2650' FWL

BOTTOM HOLE FOOTAGES

H-36-8-17 (PROPOSED)
1115' FNL & 2413' FEL

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)		
WELL	LATITUDE	LONGITUDE
H-36-8-17	40° 04' 35.19"	109° 57' 26.00"
6-36-8-17	40° 04' 35.07"	109° 57' 26.23"

RELATIVE COORDINATES From Top Hole to C.O.P.		
WELL	NORTH	EAST
H-36-8-17	613'	645'

RELATIVE COORDINATES From Top Hole to Bottom Hole		
WELL	NORTH	EAST
H-36-8-17	816'	859'

Note:
Bearings are based on GPS Observations.

SURVEYED BY: T.P.	DATE SURVEYED: 01-19-11
DRAWN BY: F.T.M.	DATE DRAWN: 01-28-11
SCALE: 1" = 50'	REVISED:

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE.
VERNAL, UTAH 84078
(435) 781-2501

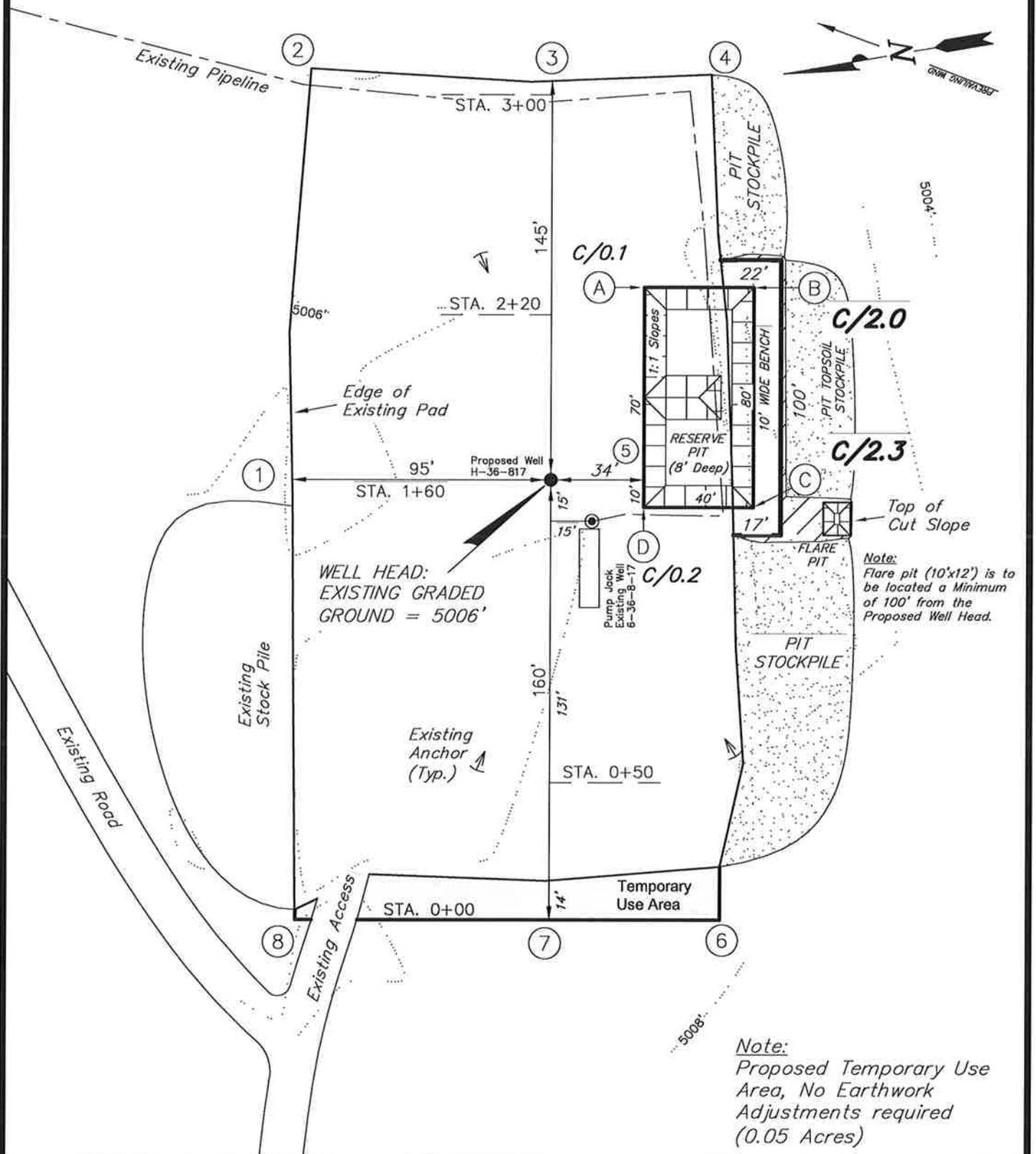
NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT

H-36-8-17 (Proposed Well)

6-36-8-17 (Existing Well)

Pad Location: SENW Section 36, T8S, R17E, S.L.B.&M.



SURVEYED BY: T.P.	DATE SURVEYED: 01-19-11
DRAWN BY: F.T.M.	DATE DRAWN: 01-28-11
SCALE: 1" = 50'	REVISED:

Tri State (435) 781-2501
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

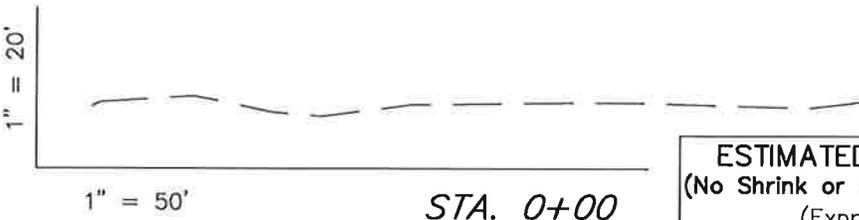
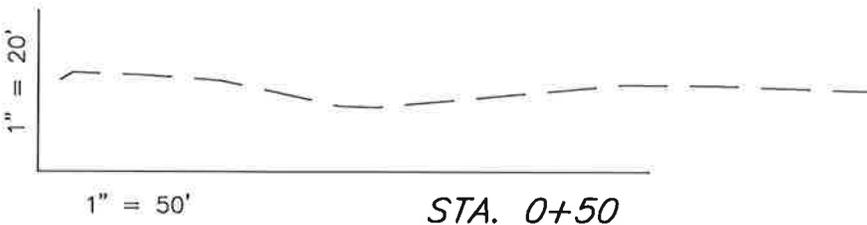
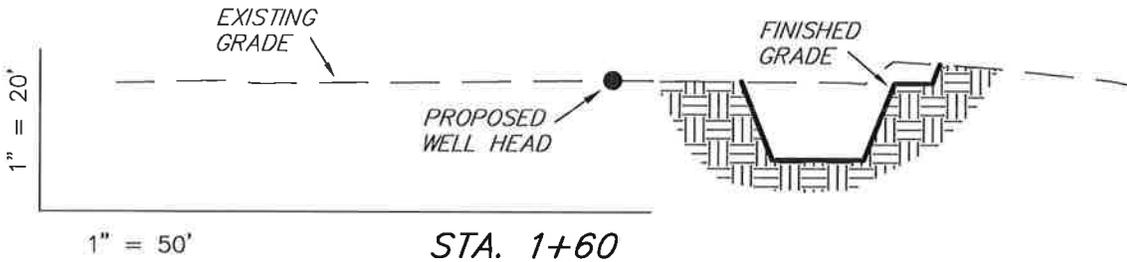
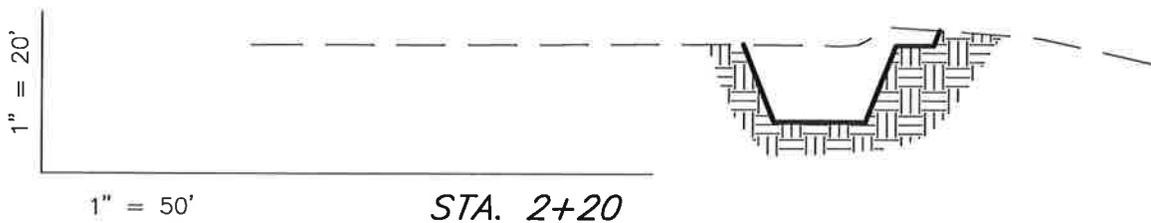
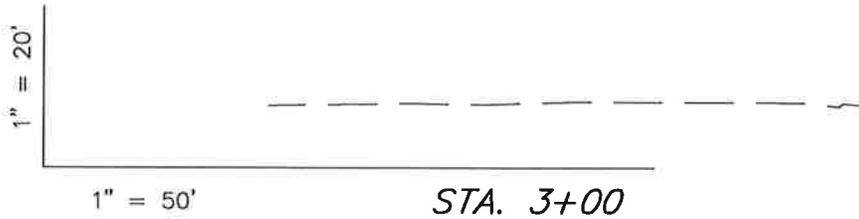
NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS

H-36-8-17 (Proposed Well)

6-36-8-17 (Existing Well)

Pad Location: SENW Section 36, T8S, R17E, S.L.B.&M.



NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	40	0	Topsoil is not included in Pad Cut	40
PIT	640	0		640
TOTALS	680	0	120	680

SURVEYED BY: T.P.	DATE SURVEYED: 01-19-11	
DRAWN BY: F.T.M.	DATE DRAWN: 01-28-11	
SCALE: 1" = 50'	REVISED:	

Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

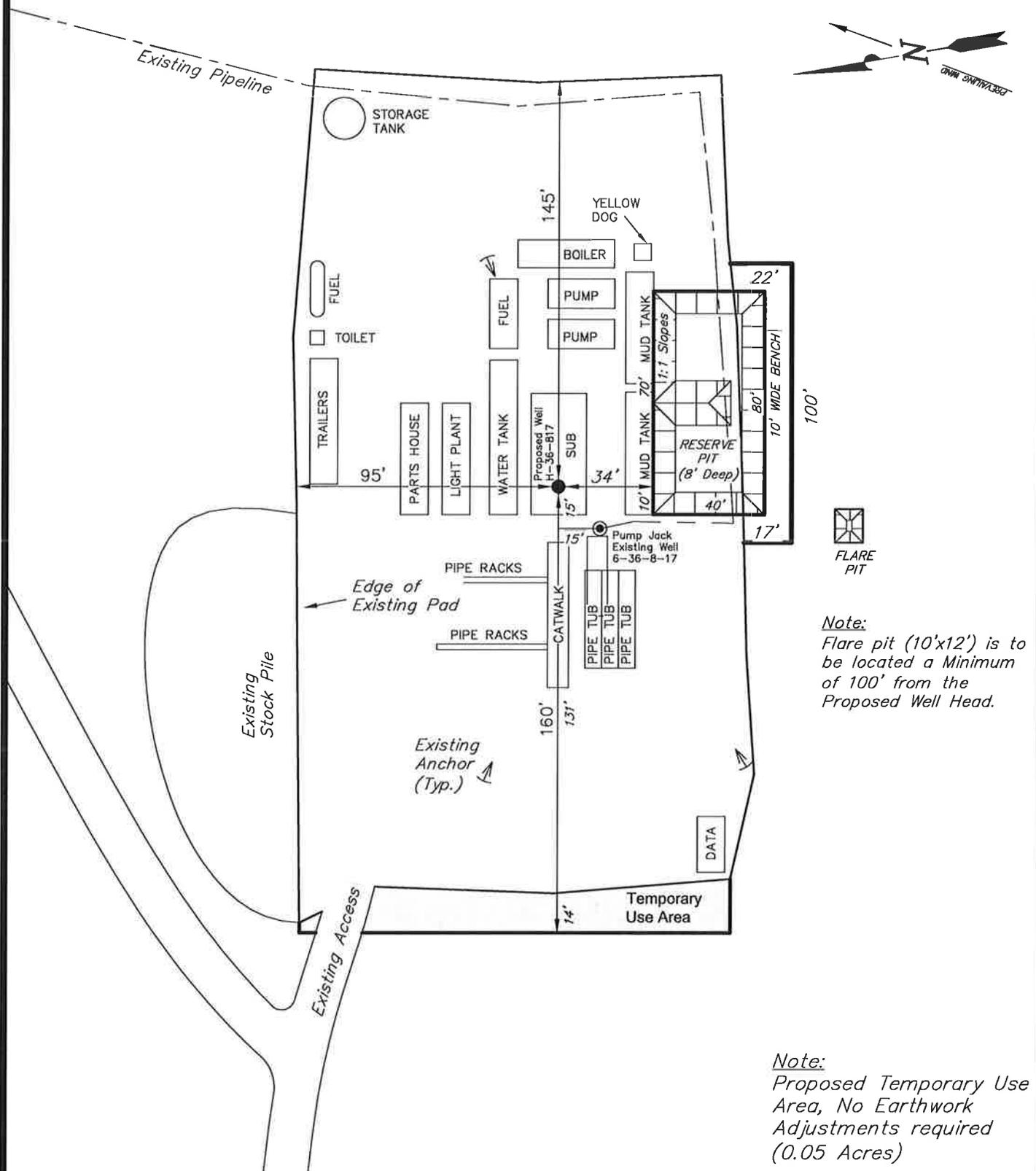
NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

H-36-8-17 (Proposed Well)

6-36-8-17 (Existing Well)

Pad Location: SENW Section 36, T8S, R17E, S.L.B.&M.



Note:
Flare pit (10'x12') is to be located a Minimum of 100' from the Proposed Well Head.

Note:
Proposed Temporary Use Area, No Earthwork Adjustments required (0.05 Acres)

SURVEYED BY: T.P.	DATE SURVEYED: 01-19-11
DRAWN BY: F.T.M.	DATE DRAWN: 01-28-11
SCALE: 1" = 50'	REVISED:

Tri State (435) 781-2501
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078



VIA ELECTRONIC DELIVERY

March 1, 2011

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
Greater Monument Butte H-36-8-17
Greater Monument Butte (Green River) Unit

Surface Hole: T8S-R17E Section 36: SENW (ML-44305)
1916' FNL 1996' FWL

At Target: T8S-R17E Section 36: NWNE (ML-44305)
1115' FNL 2413' FEL

Uintah County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 2/25/11, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-existing roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4197 or by email at sgillespie@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

A handwritten signature in blue ink, appearing to read "Shane Gillespie".

Shane Gillespie
Land Associate

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO: ML-44305	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: Greater Monument Butte	
2. NAME OF OPERATOR: Newfield Production Company				9. WELL NAME and NUMBER: GMBU H-36-8-17	
3. ADDRESS OF OPERATOR: Route #3 Box 3630 Myton UT 84052			PHONE NUMBER: (435) 646-3721	10. FIELD AND POOL, OR WLD/CAT: Monument Butte	
4. LOCATION OF WELL (FOOTAGES): AT SURFACE: SE/NW 1916' FNL 1996' FWL Sec. 36 T8S R17E AT PROPOSED PRODUCING ZONE: NW/NE 1115' FNL 2413' FEL Sec. 36 T8S R17E				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SE/NW 36 8S 17E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 16.7 miles southeast of Myton, Utah				12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET): Approx. 1115' f/lse line, NA' f/unit line		16. NUMBER OF ACRES IN LEASE: 640.00 acres		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 20 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): Approx. 1328'		19. PROPOSED DEPTH: 6,447		20. BOND DESCRIPTION: #B001834	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5006' GL		22. APPROXIMATE DATE WORK WILL START: 2nd Qtr. 2011		23. ESTIMATED DURATION: (15) days from SPUD to rig release	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12 1/4	8 5/8	J-55	24.0	300	Class G w/2% CaCl	155 sx +/-	1.17	15.8
7 7/8	5 1/2	J-55	15.5	6,447	Lead(Prem Lite II)	275 sx +/-	3.26	11.0
					Tail (50/50 Poz)	450 sx +/-	1.24	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- | | |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Mandie Crozier TITLE Regulatory Specialist
SIGNATURE *Mandie Crozier* DATE 2/25/11

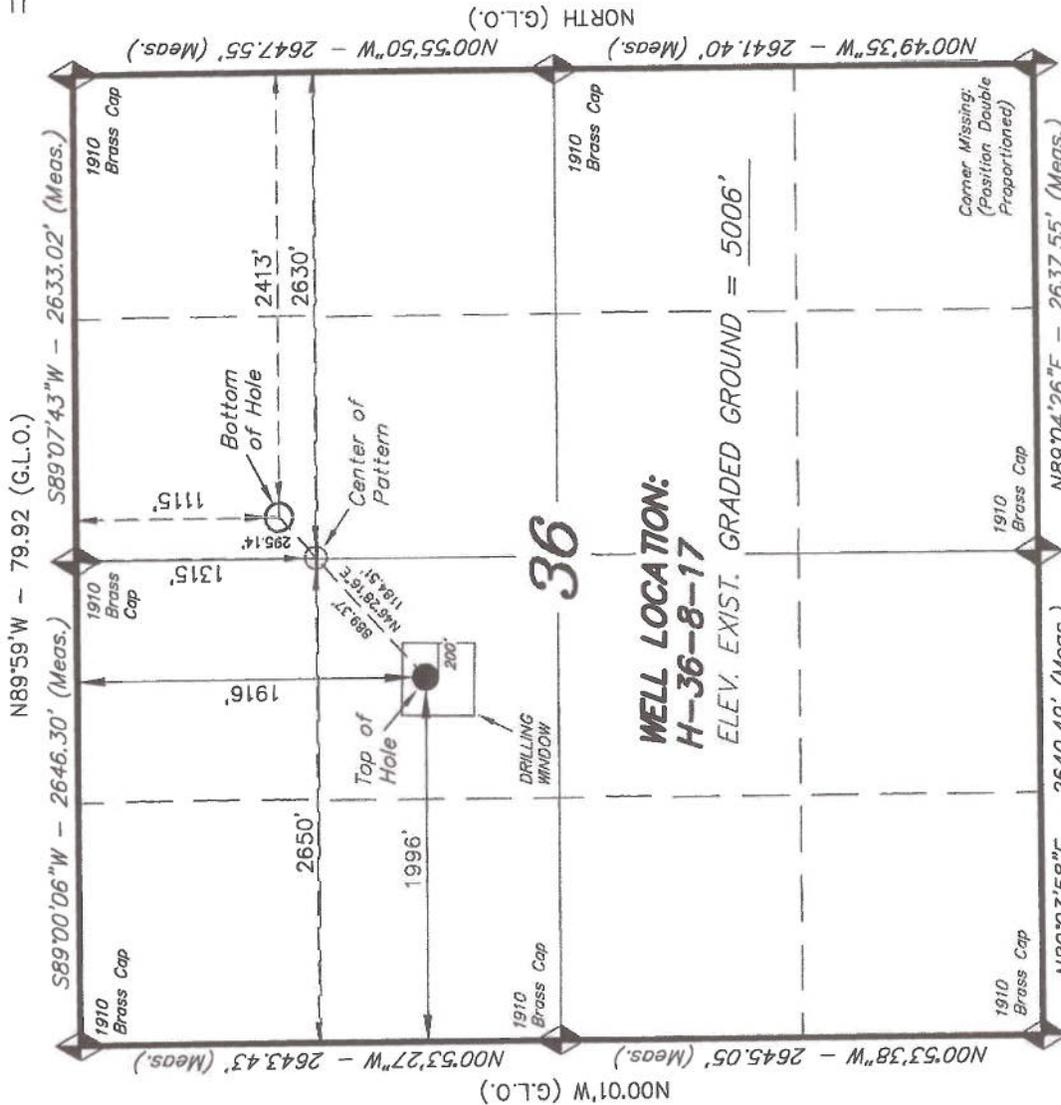
(This space for State use only)

API NUMBER ASSIGNED _____

APPROVAL _____

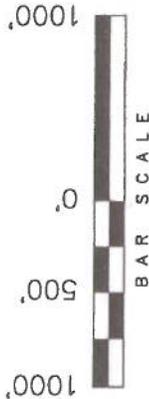
T8S, R17E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY



WELL LOCATION, H-36-8-17, LOCATED AS SHOWN IN THE SE 1/4 NW 1/4 OF SECTION 36, T8S, R17E, S.L.B.&M. UINTAH COUNTY, UTAH.

TARGET BOTTOM HOLE, H-36-8-17, LOCATED AS SHOWN IN THE NW 1/4 N E 1/4 OF SECTION 36, T8S, R17E, S.L.B.&M. UINTAH COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STACY W.
REGISTERED LAND SURVEYOR
REGISTRATION NO. 68927
STATE OF UTAH

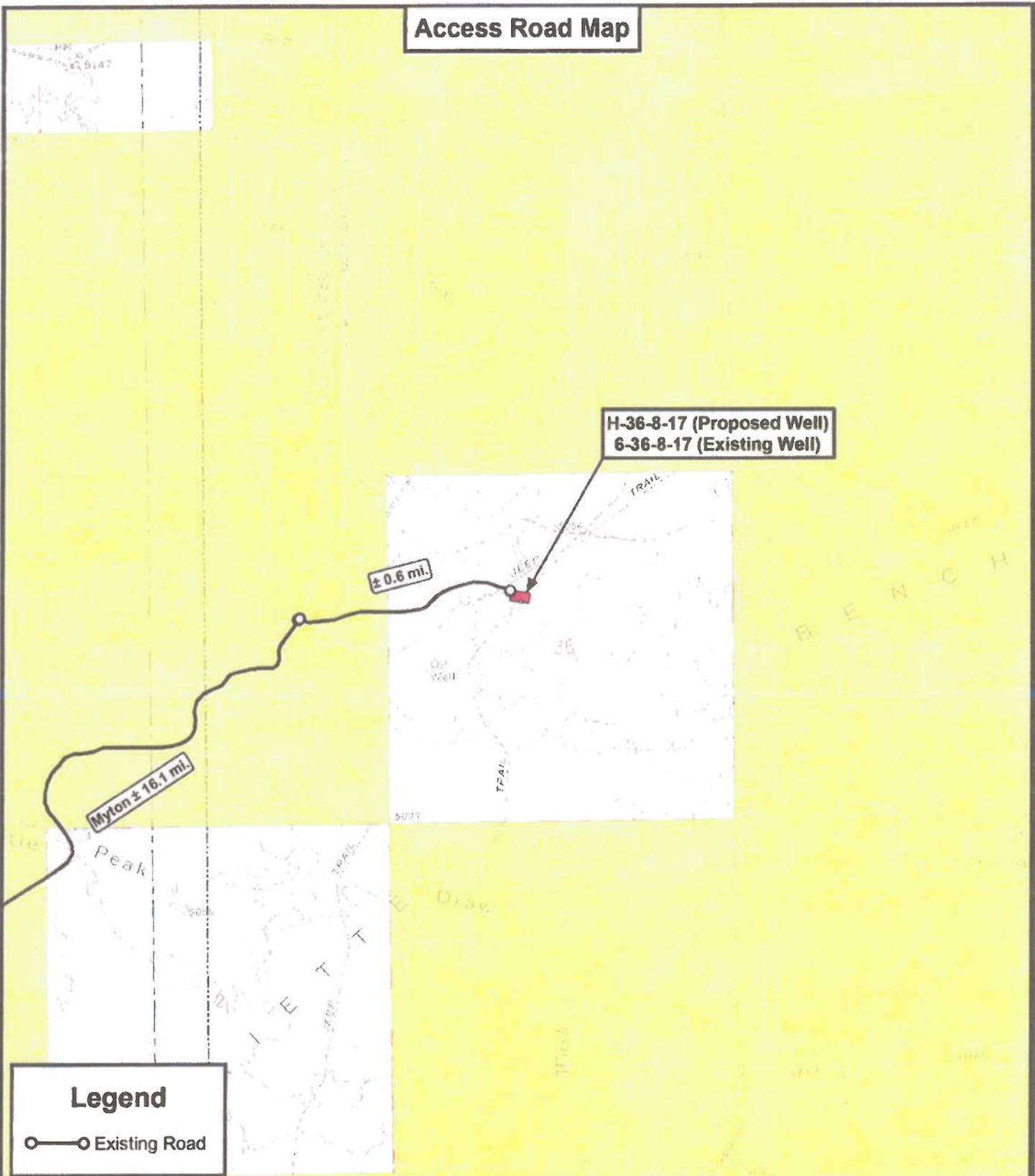
TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 01-19-11	SURVEYED BY: T.P.
DATE DRAWN: 01-28-11	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

H-36-8-17
(Surface Location) NAD 83
LATITUDE = 40° 04' 35.19"
LONGITUDE = 109° 57' 26.00"

◆ = SECTION CORNERS LOCATED
BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

Access Road Map



Legend

○—○ Existing Road

Tri State
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
 F: (435) 781-2518

N



NEWFIELD EXPLORATION COMPANY

H-36-8-17 (Proposed Well)
 6-36-8-17 (Existing Well)
 SEC. 36, T8S, R17E, S.L.B.&M.
 Uintah County, UT.

DRAWN BY:	C.H.M.
DATE:	02-01-2011
SCALE:	1" = 2,000'

TOPOGRAPHIC MAP

SHEET
B

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

March 1, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2011 Plan of Development Greater Monument
Butte Unit, Duchesne and Uintah Counties,
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following horizontal well is planned for calendar year 2011 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-047-51505	GMBU H-36-8-17	Sec 36 T08S R17E 1916 FNL 1996 FWL
		BHL Sec 36 T08S R17E 1115 FNL 2413 FEL
43-047-51506	GMBU I-36-8-17	Sec 36 T08S R17E 1980 FNL 2018 FEL
		BHL Sec 36 T08S R17E 1094 FNL 1064 FEL
43-047-51507	GMBU L-36-8-17	Sec 36 T08S R17E 1985 FNL 1997 FEL
		BHL Sec 36 T08S R17E 2481 FSL 1100 FEL
43-047-51508	GMBU Q-36-8-17	Sec 36 T08S R17E 2135 FSL 2047 FWL
		BHL Sec 36 T08S R17E 1073 FSL 1087 FWL

This office has no objection to permitting the well at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2011.03.01 09:39:49 -0700

bcc: File - Greater Monument Butte Unit

Division of Oil Gas and Mining

Central Files

Agr. Sec. Chron

Fluid Chron

MCoulthard:mc:3-1-11

RECEIVED: Mar. 01, 2011

From: Jim Davis
To: Bonner, Ed; Hill, Brad; Mason, Diana
CC: Garrison, LaVonne; mcrozier@newfield.com; teaton@newfield.com
Date: 3/21/2011 4:53 PM
Subject: 4 APD approvals for Newfield wells

The following wells have been approved by SITLA including arch clearance. The paleo requirement is not applicable as these wells will be drilled on existing pads which are not going to require any new surface disturbance.

4304751505 GMBU H-36-8-17
4304751506 GMBU I-36-8-17
4304751507 GMBU L-36-8-17
4304751508 GMBU Q-36-8-17

Thanks.
-Jim

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156

Well Name	NEWFIELD PRODUCTION COMPANY GMBU H-36-8-17 4304			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	300	6320		
Previous Shoe Setting Depth (TVD)	0	300		
Max Mud Weight (ppg)	8.3	8.3		
BOPE Proposed (psi)	0	2000		
Casing Internal Yield (psi)	2950	7780		
Operators Max Anticipated Pressure (psi)	2772	8.4		

Calculations	Surf String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	129	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	93	NO <input type="text" value="air drill"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	63	NO <input type="text" value="OK"/>
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	63	NO <input type="text"/>
Required Casing/BOPE Test Pressure=		300	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	2728	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1970	YES <input type="text"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1338	YES <input type="text" value="OK"/>
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1404	NO <input type="text" value="Reasonable for area"/>
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		300	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO <input type="text"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO <input type="text"/>
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO <input type="text"/>
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

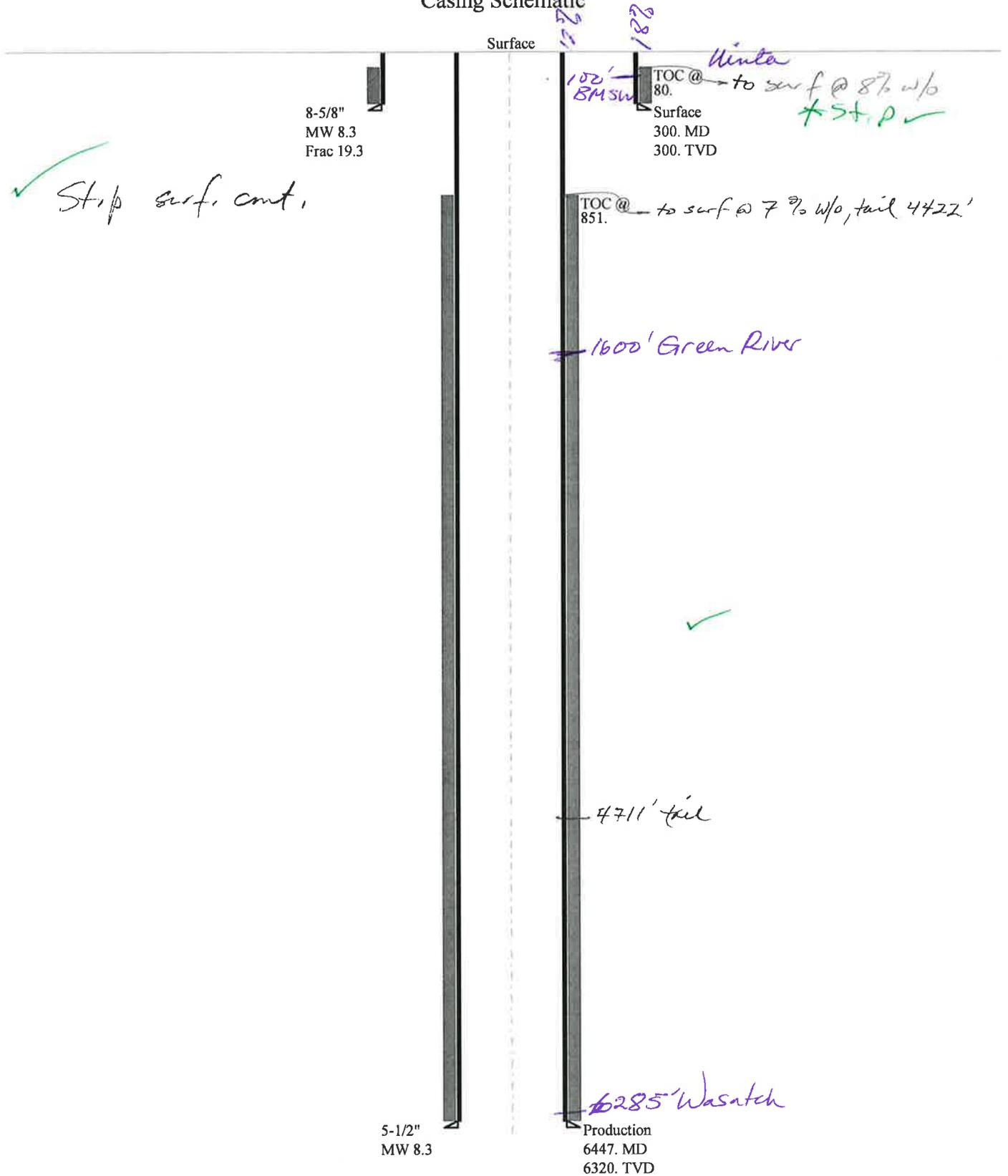
Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO <input type="text"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO <input type="text"/>
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO <input type="text"/>
Required Casing/BOPE Test Pressure=			psi

API Well Number: 43047515050000

*Max Pressure Allowed @ Previous Casing Shoe=	<input type="text"/>	psi *Assumes 1psi/ft frac gradient
---	----------------------	------------------------------------

43047515050000 GMBU H-36-8-17

Casing Schematic



Well name:	43047515050000 GMBU H-36-8-17		
Operator:	NEWFIELD PRODUCTION COMPANY		
String type:	Surface	Project ID:	43-047-51505
Location:	UINTAH COUNTY		

Design parameters:

Collapse

Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 264 psi
Internal gradient: 0.120 psi/ft
Calculated BHP: 300 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 262 ft

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 78 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 80 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 6,320 ft
Next mud weight: 8.300 ppg
Next setting BHP: 2,725 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 300 ft
Injection pressure: 300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	1544
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	130	1370	10.557	300	2950	9.83	7.2	244	33.90 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: April 14, 2011
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 300 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	43047515050000 GMBU H-36-8-17		
Operator:	NEWFIELD PRODUCTION COMPANY		
String type:	Production	Project ID:	43-047-51505
Location:	UINTAH COUNTY		

Design parameters:

Collapse

Mud weight: 8.330 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 162 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 100 ft

Cement top: 851 ft

Burst

Max anticipated surface pressure: 1,344 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 2,735 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
 8 Round LTC: 1.80 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.60 (B)

Tension is based on air weight.
 Neutral point: 5,631 ft

Directional Info - Build & Hold

Kick-off point: 600 ft
 Departure at shoe: 1185 ft
 Maximum dogleg: 1.5 °/100ft
 Inclination at shoe: 12.61 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6447	5.5	15.50	J-55	LT&C	6320	6447	4.825	22764
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2735	4040	1.477	2735	4810	1.76	98	217	2.22 J

Prepared by: Helen Sadik-Macdonald
 Div of Oil, Gas & Mining

Phone: 801 538-5357
 FAX: 801-359-3940

Date: April 14, 2011
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6320 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name GMBU H-36-8-17
API Number 43047515050000 **APD No** 3493 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 SENW **Sec** 36 **Tw** 8.0S **Rng** 17.0E 1916 FNL 1996 FWL
GPS Coord (UTM) 588977 4436560 **Surface Owner**

Participants

Floyd Bartlett (DOGM) and Tim Eaton (Newfield).

Regional/Local Setting & Topography

The proposed Greater Monument Butte H- 36-8-17 oil well is a directional well to be added to and drilled from the existing pad of the GMBU 6-36-8-17 which is a producing oil well. The area in designated for 20 acre spacing. No changes to the existing pad are needed.

A field review of the existing pad showed that a diversion ditch is needed on the northeast side to channel runoff from the above t drainage to the east and around the berm on the pad. No other concerns were noted. The selected site should be a suitable for drilling and operating the proposed additional well.

SITLA owns both the surface and minerals.

Surface Use Plan

Current Surface Use

Existing Well Pad

New Road Miles	Well Pad	Src Const Material	Surface Formation
	Width Length		
0			

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands

Flora / Fauna

Existing Well Pad

Soil Type and Characteristics

Erosion Issues

Sedimentation Issues

Site Stability Issues

Drainage Diverson Required? Y

A field review of the existing pad showed that a diversion ditch is needed on the northeast side to channel runoff from the above drainage to the east and around the berm on the pad.

Berm Required? Y

Erosion Sedimentation Control Required?

Paleo Survey Run? Paleo Potential Observed? Cultural Survey Run? Cultural Resources?

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	75 to 100	10	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)		20	
Native Soil Type	Mod permeability	10	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	45	1 Sensitivity Level

Characteristics / Requirements

A reserve pit will be re-dug in the original location on the south side. Its dimensions are 80' x 40' x 8' deep. A 16 mil liner with an appropriate sub-liner is required.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y

Other Observations / Comments

Floyd Bartlett
Evaluator

3/2/2011
Date / Time

Application for Permit to Drill Statement of Basis

4/18/2011

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
3493	43047515050000	SITLA	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	GMBU H-36-8-17	Unit		GMBU (GRRV)	
Field	MONUMENT BUTTE	Type of Work		DRILL	
Location	SENW 36 8S 17E S 1916 FNL 1996 FWL GPS Coord (UTM)			588973E	4436546N

Geologic Statement of Basis

Newfield proposes to set 300 feet of surface casing at this location. The base of the moderately saline water at this location is estimated to be at approximately 100 feet. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of section 36. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement program should adequately protect any useable ground water.

Brad Hill
APD Evaluator

3/7/2011
Date / Time

Surface Statement of Basis

The proposed Greater Monument Butte H- 36-8-17 oil well is a directional well to be added to and drilled from the existing pad of the GMBU 6-36-8-17 which is a producing oil well. The area in designated for 20 acre spacing. No changes to the existing pad are needed.

A field review of the existing pad showed that a diversion ditch is needed on the northeast side to channel runoff from the above drainage to the east and around the berm on the pad. No other concerns were noted. The selected site should be a suitable for drilling and operating the proposed additional well.

SITLA owns both the surface and minerals. Mr. Jim Davis of SITLA was invited to the evaluation and declined to attend.

Floyd Bartlett
Onsite Evaluator

3/2/2011
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 2/25/2011**API NO. ASSIGNED:** 43047515050000**WELL NAME:** GMBU H-36-8-17**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695)**PHONE NUMBER:** 435 646-4825**CONTACT:** Mandie Crozier**PROPOSED LOCATION:** SENW 36 080S 170E**Permit Tech Review:** **SURFACE:** 1916 FNL 1996 FWL**Engineering Review:** **BOTTOM:** 1115 FNL 2413 FEL**Geology Review:** **COUNTY:** UINTAH**LATITUDE:** 40.07638**LONGITUDE:** -109.95654**UTM SURF EASTINGS:** 588973.00**NORTHINGS:** 4436546.00**FIELD NAME:** MONUMENT BUTTE**LEASE TYPE:** 3 - State**LEASE NUMBER:** ML-44305**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER**SURFACE OWNER:** 3 - State**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**

- PLAT
- Bond: STATE/FEE - B001834
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 437478
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingle Approved**LOCATION AND SITING:**

- R649-2-3.
- Unit:** GMBU (GRRV)
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No:** Cause 213-11
- Effective Date:** 11/30/2009
- Siting:** Suspends General Siting
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations:

- 5 - Statement of Basis - bhill
- 15 - Directional - dmason
- 25 - Surface Casing - hmacdonald
- 27 - Other - bhill



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: GMBU H-36-8-17
API Well Number: 43047515050000
Lease Number: ML-44305
Surface Owner: STATE
Approval Date: 4/18/2011

Issued to:

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Surface casing shall be cemented to the surface.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:



For John Rogers
Associate Director, Oil & Gas

Spud

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By
Branden Arnold Phone Number 435-401-0223
Well Name/Number GMBU H-36-8-17
Qtr/Qtr SE/NW Section 36 Township 8S Range 17E
Lease Serial Number ML-44305
API Number 43-047-51505

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 5/17/11 9:00 AM PM

Casing – Please report time casing run starts, not cementing times.

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

Date/Time 5/17/11 3:00 AM PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

Date/Time _____ AM PM

Remarks _____

STATE OF UTAH
 DIVISION OF OIL, GAS AND MINING
 ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
 ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	18063	4304751297	UTE TRIBAL 3-14-4-1E	NENW	14	4S	1E	UINTAH	5/13/2011	5/31/11
WELL 1 COMMENTS: GRRV											
A	99999	18064	4304751298	UTE TRIBAL 5-14-4-1E	SWNW	14	4S	1E	UINTAH	5/19/2011	5/31/11
GRRV											
A	99999	18065	4304751299	UTE TRIBAL 7-14-4-1E	SWNE	14	4S	1E	UINTAH	5/17/2011	5/31/11
GRRV											
A	99999	18066	4304751300	UTE TRIBAL 3-15-4-1E	NENW	15	4S	1E	UINTAH	5/10/2011	5/31/11
GRRV											
B	99999	17400	4304751505	GMBU H-36-8-17	SENW	36	8S	17E	UINTAH	5/17/2011	5/31/11
GRRV BHL = NWNE											
B	99999	17400	4304751508	GMBU Q-36-8-17	NESW	36	8S	17E	UINTAH	5/18/2011	5/31/11
GRRV BHL = SWSW											

ACTION CODES (See instructions on back of form)
 A - 1 new entity for new well (single well only)
 B - 1 well to existing entity (group or unit well)
 C - from one existing entity to another existing entity
 D - well from one existing entity to a new entity
 E - other (explain in comments section)

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 MAY 31 2011

Signature [Signature] Jentri Park
 Production Clerk
 05/31/11

NOTE: Use COMMENT section to explain why each Action Code was selected.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTAH STATE ML-44305

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
GMBU

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
GMBU H-36-8-17

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4304751505

3. ADDRESS OF OPERATOR:
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER
435.646.3721

10. FIELD AND POOL, OR WILDCAT:
GREATER MB UNIT

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: **1996 FNL 1996 FWL** COUNTY: UINTAH

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: , 36, T8S, R17E STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: <u>05/23/2011</u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Spud Notice
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
On 5/17/11 MIRU Ross #29. Spud well @9:00 AM. Drill 315' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24# csgn. Set @ 315.47. On 5/20/11 cement with 160 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 6 barrels cement to pit. WOC.

NAME (PLEASE PRINT) Branden Arnold TITLE _____
SIGNATURE *B. Arnold* DATE 05/23/2011

(This space for State use only)

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MAY 31 2011
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTAH STATE ML-44305

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
GMBU

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
GMBU H-36-8-17

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4304751505

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:
GREATER MB UNIT

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 1996 FWL 1996 FWL

COUNTY: UINTAH

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: , 36, T8S, R17E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

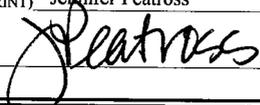
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 06/25/2011	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 6/25/2011, attached is a daily completion status report.

NAME (PLEASE PRINT) Jennifer Peatross

TITLE Production Technician

SIGNATURE 

DATE 06/29/2011

(This space for State use only)

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JUL 07 2011
DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

GMBU H-36-8-17

4/1/2011 To 8/30/2011

6/15/2011 Day: 1

Completion

Rigless on 6/15/2011 - Run CBL & perforate stg #1. - Install 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6370' & cement top @ 56'. Perforate stage #1, CP5 sds @ (6211'-16') w/ 3 1/8" Port plug guns (11 gram .36" EH 16.82" pen w/120° phasing) w/ 3 spf for total of 15 shots. CP5 sds @ (6189'-95') w/ 3 1/8" Port plug guns (11 gram .36" EH 16.82" pen w/120° phasing) w/ 3 spf for total of 18 shots. RD H/O truck & The Perforators WLT & mast. Wait on frac crew EWTR 151 BBLs

Daily Cost: \$0

Cumulative Cost: \$17,063

6/21/2011 Day: 2

Completion

Rigless on 6/21/2011 - Frac stgs 1-5. Flowback to pit. - RU The Perforators wireline. Set CFTP @ 6040' & perf stg 2- CP2/CP1 sds as shown in perforation report. RU BJ Services. Tried to Frac stg 2- CP2/CP1 sds as shown in stimulation report. Formation would not break down. RU the Perforators to RIH and dump bail acid. Tagged @ 5845'. Dumped Acid on top of sand and POOH. RU BJ Services and pumped to breakdown formation. Formation would take .3 BPM but wouldn't break so we stopped and rocked the BO to try and loosen sand. Formation Broke down and we continued to frac stg 2 as shown in stimulation report. 1158.4 BWTR. - RU The Perforators wireline. Set solid plg @ 5780' & perf stg 3- LODC/A3 sds as shown in perforation report. RU BJ Services. Frac stg 3- LODC/A3 sds as shown in stimulation report. 2245.4 BWTR. - RU The Perforators wireline. Set CFTP @ 5500' & perf stg 4- A1 sds as shown in perforation report. RU BJ Services. Frac stg 4- A1 sds as shown in stimulation report. 2632.35 BWTR. - Crew travel and safety meeting. RU BJ Services. Frac stg 1- CP5 sds as shown in stimulation report. Screened out with 8 Bbls left of the flush. RU to FB to pit. Recovered 301.8. 271.2 BWTR. - RU The Perforators wireline. Set CFTP @ 5120' & perf stg 5- D2 sds as shown in perforation report. RU BJ Services. Frac stg 5- D2 sds as shown in stimulation report. 2976.77 BWTR - RD BJ Services & The Perforators wireline. Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 4 hrs & died. Recovered 720 bbls. SWIFN. 2256.77 BWTR.

Daily Cost: \$0

Cumulative Cost: \$166,784

6/23/2011 Day: 3

Completion

WWS #3 on 6/23/2011 - MIRU. Nippled down Cameron BOPs and nipped up 5000 lb BOPs. Rigged up work floor and tubing equipment. Ran into hole with 4-3/4" chomp bit and tubing. Drilled out 2 plugs and circulated well clean. SWIFN. - Crew travel and safety meeting on working in windy conditions. Pressure on casing at 650 psi. Bleed down well. MIRU. Nipple down Cameron BOPs and nipple up 5000 lb BOPs. Rig up work floor and tubing equipment. Pick up and talley new 4-3/4" chomp bit and tubing. Run into hole with tubing to 5087', rig up Nabors power swivel, clean out 33' of fill to plug at 5120', and drill out plug in 21 minutes. Run into hole with tubing to 5490', clean out 10' of fill to plug at 5500', and drill out plug in 19 minutes. Run into hole with tubing, tag fill at 5589'. Pull out of hole to 5540' and circulate well clean. SWIFN at 5 pm with 2256 BWTR.

Daily Cost: \$0

Cumulative Cost: \$179,709

6/24/2011 Day: 4

Completion

WWS #3 on 6/24/2011 - Drilled out remaining 2 plugs and cleaned out to PBSD. Circulated well clean, rigged up swab equipment, and made 6 swab runs. SWIFN. - Crew travel and safety meeting on drilling out solid plugs. Pressure on tubing at 250 psi and pressure on casing at 300 psi. Bleed down well. Run into hole with tubing, tag fill at 5589', clean out 191' of fill to plug at 5780', and circulate well clean. Drill out solid plug in 25 minutes and circulate well for 2 hours until returns were clean of sand. Run into hole with tubing, tag fill at 5977', clean out 63' of fill to plug at 6040', and drill out plug in 35 minutes. Run into hole with tubing, tag fill at 6155', and clean out 246' of fill to PBSD at 6401'. Circulate well clean and lay down (3) joints of tubing to place end of tubing at 6312'. - Rig up swab equipment, make 6 swab runs, and recover 75 bbls of fluid. Final fluid level at 400'. SWIFN at 4 pm with 1836 BWTR.

Daily Cost: \$0

Cumulative Cost: \$185,619

6/25/2011 Day: 5

Completion

WWS #3 on 6/25/2011 - Swab, C/O PBSD. TOH w/ bit. TIH w/ production tbg. Set TA, Land tbg. Flush tbg. PU "A" grade rod string. Hand head, Space out rods. Pressure test. RDMO. POP @ 7:00 PM w/ 144" SL @ 5 SPM. FINAL REPORT!! 1853 BWTR. - Crew travel and safety meeting on LD lubricator. 300 psi on well. Bleed off pressure. Made 5 swab runs, Rec 65 BTF, No sand and trace of oil. RD swab equipment. RIH w/ tbg. Tagged PBSD @ 6401' (No new fill). Circulate well clean. LD extra tbg. TOH w/ tbg. LD bit and bit sub. PU & RIH w/ production tbg as follows: NC, 2 jts, SN, 2 jts, TA w/ carbide slips, 196 jts of 2 7/8" J-55 tbg. ND BOP. Set TA w/ 18,000#'s of tension. Land tbg on hanger. NU B1 adapter flange. Flush tbg w/ 60 BW. PU & Rih w/ "A" grade rod string as follows: Central hydraulic 2 1/2" X 1 3/4" X 24' RHAC, 1- 1" X 4' stabilizer pony, 4- 1 1/2" wt bars, 242- 7/8" guided rods (8 per), 1- 8', 1- 4', 1- 2' X 7/8" pony rods, 1 1/2" X 30' polish rod. Hang head, Space out rods. Pressure test to 800 psi. RDMOSU. POP @ 7:00 PM w/ 144" SL @ 5 SPM. FINAL REPORT!! **Finalized**

Daily Cost: \$0

Cumulative Cost: \$278,702

Pertinent Files: Go to File List

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
ML-44305

a. Type of Well Oil Well Gas Well Dry Other
b. Type of Completion: New Well Work Over Deepen Plug Back Diff. Resrv.,
Other: _____

6. If Indian, Allottee or Tribe Name

2. Name of Operator
NEWFIELD EXPLORATION COMPANY

7. Unit or CA Agreement Name and No.
Greater Monument Butte
8. Lease Name and Well No.
Greater Monument Butte H-36-8-17

3. Address
1401 17TH ST. SUITE 1000 DENVER, CO 80202

3a. Phone No. (include area code)
(435) 646-3721

9. AFI Well No.
43-047-51505

4. Location of Well (Report location clearly and in accordance with Federal requirements)* BHL reviewed by JP

10. Field and Pool or Exploratory
Monument Butte

At surface 1916' FNL & 1996' FWL (SE/NW) SEC. 36, T8S, R17E (ML-44305)

11. Sec., T., R., M., on Block and
Survey or Area
SEC. 36, T8S, R17E

At top prod. interval reported below 1313' FNL & 2632' FWL (SE/NW) SEC. 36, T8S, R17E (ML-44305)

12. County or Parish
UINTAH
13. State
UT

At total depth 1116' FNL & 2430' FEL (NW/NE) SEC. 36, T8S, R17E (ML-44305)

14. Date Spudded
05/17/2011

15. Date T.D. Reached
06/10/2011

16. Date Completed 06/24/2011
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5006' GL 5018' KB

18. Total Depth: MD 6446'
TVD 6323'

19. Plug Back T.D.: MD 6401'
TVD 6278'

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit report)
Directional Survey? No Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	315'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6446'		275 PRIMLITE		56'	
						400 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 6282'	TA @ 6153'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	5039'	6216'	5039-6216'	.36"	168	
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
5039-6216'	Frac w/ 292513#s 20/40 white sand in 1918 bbls of Lightning 17 fluid in 5 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
6/24/11	7/10/11	24	→	26	15	7			2-1/2" x 1-3/4" x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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JUL 28 2011

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	5039'	6216'		GARDEN GULCH MRK	3992'
				GARDEN GULCH 1	4171'
				GARDEN GULCH 2	4290'
				POINT 3	4556'
				X MRKR	4784'
				Y MRKR	4821'
				DOUGLAS CREEK MRK	4956'
				BI CARBONATE MRK	5187'
				B LIMESTON MRK	5319'
				CASTLE PEAK	5841'
				BASAL CARB	6268'
				WASATCH	6389'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other: Drilling Daily Activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Jennifer Peatross Title Production Technician
 Signature *Jennifer Peatross* Date 07/19/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NEWFIELD



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 36 T8S, R17E
H-36-8-17**

Wellbore #1

Design: Actual

Standard Survey Report

09 June, 2011



PayZone Directional Services, LLC.

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R17E
Well: H-36-8-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well H-36-8-17
TVD Reference: H-36-8-17L @ 5018.0ft (Newfield Rig #2)
MD Reference: H-36-8-17L @ 5018.0ft (Newfield Rig #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Table with Project, Map System, Geo Datum, Map Zone, System Datum, and Mean Sea Level.

Table with Site, Site Position, From, Position Uncertainty, Northing, Easting, Slot Radius, Latitude, Longitude, and Grid Convergence.

Table with Well, Well Position, Position Uncertainty, Northing, Easting, Wellhead Elevation, Latitude, Longitude, and Ground Level.

Table with Wellbore, Magnetics, Model Name, Sample Date, Declination, Dip Angle, and Field Strength.

Table with Design, Audit Notes, Version, Phase, Tie On Depth, Vertical Section, Depth From (TVD), +N-S, +E-W, and Direction.

Table with Survey Program, Date, From, To, Survey (Wellbore), Tool Name, and Description.

Table with Survey, Measured Depth, Inclination, Azimuth, Vertical Depth, +N-S, +E-W, Vertical Section, Dogleg Rate, Build Rate, and Turn Rate.



PayZone Directional Services, LLC.

Survey Report



Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R17E
 Well: H-36-8-17
 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference: Well H-36-8-17
 TVD Reference: H-36-8-17L @ 5018.0ft (Newfield Rig #2)
 MD Reference: H-36-8-17L @ 5018.0ft (Newfield Rig #2)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
758.0	4.00	46.00	757.8	10.8	9.6	14.4	2.07	2.00	-8.00
788.0	4.40	44.10	787.7	12.3	11.2	16.6	1.41	1.33	-6.33
819.0	4.70	43.70	818.6	14.1	12.9	19.0	0.97	0.97	-1.29
850.0	4.90	43.50	849.5	16.0	14.7	21.6	0.65	0.65	-0.65
881.0	5.10	42.30	880.3	17.9	16.5	24.3	0.73	0.65	-3.87
913.0	5.10	46.00	912.2	20.0	18.5	27.2	1.03	0.00	11.56
945.0	5.40	47.20	944.1	22.0	20.6	30.1	1.00	0.94	3.75
976.0	5.80	46.00	974.9	24.1	22.8	33.1	1.34	1.29	-3.87
1,008.0	5.80	47.30	1,006.8	26.3	25.2	36.4	0.41	0.00	4.06
1,040.0	6.10	46.40	1,038.6	28.6	27.6	39.7	0.98	0.94	-2.81
1,072.0	6.20	47.10	1,070.4	30.9	30.1	43.1	0.39	0.31	2.19
1,103.0	6.70	44.70	1,101.2	33.3	32.6	46.6	1.83	1.61	-7.74
1,134.0	7.00	45.30	1,132.0	35.9	35.2	50.3	0.99	0.97	1.94
1,166.0	7.50	44.50	1,163.7	38.8	38.1	54.3	1.59	1.56	-2.50
1,198.0	7.90	46.40	1,195.5	41.8	41.1	58.6	1.48	1.25	5.94
1,229.0	8.50	46.70	1,226.1	44.9	44.3	63.0	1.94	1.94	0.97
1,261.0	9.00	46.50	1,257.8	48.2	47.9	67.9	1.57	1.56	-0.63
1,294.0	9.40	46.20	1,290.3	51.8	51.7	73.2	1.22	1.21	-0.91
1,324.0	9.90	45.50	1,319.9	55.3	55.3	78.2	1.71	1.67	-2.33
1,356.0	10.50	45.00	1,351.4	59.3	59.3	83.9	1.90	1.88	-1.56
1,387.0	10.90	46.20	1,381.9	63.4	63.4	89.6	1.48	1.29	3.87
1,419.0	11.40	46.10	1,413.3	67.6	67.9	95.8	1.56	1.56	-0.31
1,451.0	11.90	46.40	1,444.6	72.1	72.6	102.3	1.57	1.56	0.94
1,483.0	12.30	46.70	1,475.9	76.7	77.4	109.0	1.27	1.25	0.94
1,514.0	12.80	46.30	1,506.2	81.4	82.3	115.7	1.64	1.61	-1.29
1,546.0	13.20	46.20	1,537.3	86.3	87.5	122.9	1.25	1.25	-0.31
1,578.0	13.60	45.20	1,568.5	91.5	92.8	130.3	1.44	1.25	-3.13
1,609.0	13.80	45.30	1,598.6	96.7	98.0	137.7	0.65	0.65	0.32
1,641.0	13.70	46.40	1,629.7	102.0	103.5	145.3	0.87	-0.31	3.44
1,673.0	13.70	46.20	1,660.8	107.2	109.0	152.9	0.15	0.00	-0.63
1,704.0	13.50	46.10	1,690.9	112.3	114.2	160.1	0.65	-0.65	-0.32
1,738.0	13.30	45.10	1,724.0	117.8	119.9	168.0	0.90	-0.59	-2.94
1,768.0	13.30	44.10	1,753.2	122.7	124.7	174.9	0.77	0.00	-3.33
1,799.0	13.20	45.10	1,783.3	127.8	129.7	182.0	0.81	-0.32	3.23
1,831.0	13.10	45.60	1,814.5	132.9	134.9	189.3	0.47	-0.31	1.56
1,863.0	13.30	44.50	1,845.6	138.0	140.0	196.6	1.00	0.63	-3.44
1,894.0	13.00	44.60	1,875.8	143.1	145.0	203.6	0.97	-0.97	0.32
1,926.0	12.40	44.50	1,907.1	148.1	149.9	210.7	1.88	-1.88	-0.31
1,958.0	11.90	45.20	1,938.3	152.9	154.7	217.4	1.63	-1.56	2.19
1,990.0	11.90	45.50	1,969.6	157.5	159.4	224.0	0.19	0.00	0.94
2,021.0	12.20	45.60	2,000.0	162.0	164.0	230.5	0.97	0.97	0.32
2,053.0	12.40	47.00	2,031.2	166.7	168.9	237.3	1.12	0.63	4.38
2,085.0	12.70	46.50	2,062.5	171.5	174.0	244.3	1.00	0.94	-1.56
2,116.0	12.90	47.30	2,092.7	176.2	179.0	251.1	0.86	0.65	2.58
2,148.0	13.10	47.70	2,123.9	181.1	184.3	258.3	0.69	0.63	1.25
2,180.0	13.10	48.20	2,155.0	185.9	189.7	265.6	0.35	0.00	1.56
2,212.0	13.30	48.10	2,186.2	190.8	195.1	272.9	0.63	0.63	-0.31
2,243.0	13.40	47.10	2,216.4	195.6	200.4	280.0	0.81	0.32	-3.23
2,275.0	13.20	47.70	2,247.5	200.6	205.8	287.4	0.76	-0.63	1.88
2,306.0	13.10	47.00	2,277.7	205.4	211.0	294.4	0.61	-0.32	-2.26
2,338.0	12.90	46.50	2,308.9	210.3	216.3	301.6	0.72	-0.63	-1.56
2,370.0	12.80	46.40	2,340.1	215.2	221.4	308.8	0.32	-0.31	-0.31
2,402.0	13.00	46.50	2,371.3	220.1	226.6	315.9	0.63	0.63	0.31
2,433.0	13.00	46.00	2,401.5	225.0	231.6	322.9	0.36	0.00	-1.61



PayZone Directional Services, LLC.

Survey Report



Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R17E
 Well: H-36-8-17
 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference: Well H-36-8-17
 TVD Reference: H-36-8-17L @ 5018.0ft (Newfield Rig #2)
 MD Reference: H-36-8-17L @ 5018.0ft (Newfield Rig #2)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,465.0	13.20	47.10	2,432.6	229.9	236.9	330.1	1.00	0.63	3.44
2,496.0	13.30	47.10	2,462.8	234.8	242.1	337.2	0.32	0.32	0.00
2,528.0	12.90	46.70	2,494.0	239.7	247.4	344.5	1.28	-1.25	-1.25
2,560.0	12.70	46.20	2,525.2	244.6	252.5	351.6	0.71	-0.63	-1.56
2,592.0	12.30	46.70	2,556.4	249.4	257.6	358.5	1.29	-1.25	1.56
2,622.0	12.30	46.50	2,585.7	253.8	262.2	364.9	0.14	0.00	-0.67
2,655.0	12.50	47.10	2,618.0	258.6	267.4	372.0	0.72	0.61	1.82
2,687.0	12.60	47.80	2,649.2	263.3	272.5	378.9	0.57	0.31	2.19
2,718.0	12.50	49.10	2,679.5	267.8	277.5	385.7	0.97	-0.32	4.19
2,750.0	12.20	48.10	2,710.7	272.3	282.7	392.5	1.15	-0.94	-3.13
2,782.0	12.50	48.20	2,742.0	276.9	287.8	399.3	0.94	0.94	0.31
2,813.0	12.60	48.60	2,772.2	281.4	292.8	406.1	0.43	0.32	1.29
2,844.0	12.60	48.50	2,802.5	285.8	297.9	412.8	0.07	0.00	-0.32
2,876.0	12.70	48.70	2,833.7	290.5	303.1	419.8	0.34	0.31	0.63
2,908.0	12.60	47.70	2,864.9	295.1	308.4	426.8	0.75	-0.31	-3.13
2,939.0	12.57	47.20	2,895.2	299.7	313.3	433.6	0.36	-0.10	-1.61
2,971.0	11.65	46.88	2,926.5	304.3	318.2	440.3	2.88	-2.88	-1.00
3,003.0	10.80	44.80	2,957.9	308.6	322.7	446.5	2.94	-2.66	-6.50
3,035.0	10.70	44.10	2,989.3	312.9	326.9	452.5	0.51	-0.31	-2.19
3,066.0	10.50	43.80	3,019.8	317.0	330.8	458.2	0.67	-0.65	-0.97
3,098.0	10.70	43.60	3,051.2	321.2	334.9	464.1	0.64	0.63	-0.63
3,130.0	11.00	44.70	3,082.7	325.6	339.1	470.1	1.14	0.94	3.44
3,161.0	10.90	47.50	3,113.1	329.6	343.4	476.0	1.75	-0.32	9.03
3,193.0	10.90	48.40	3,144.5	333.7	347.8	482.0	0.53	0.00	2.81
3,225.0	11.60	49.10	3,175.9	337.8	352.5	488.3	2.23	2.19	2.19
3,256.0	12.30	48.90	3,206.2	342.0	357.4	494.7	2.26	2.26	-0.65
3,288.0	13.20	49.70	3,237.4	346.6	362.7	501.7	2.87	2.81	2.50
3,320.0	13.70	50.80	3,268.6	351.4	368.5	509.2	1.76	1.56	3.44
3,351.0	13.30	49.70	3,298.7	356.0	374.0	516.4	1.53	-1.29	-3.55
3,383.0	12.50	48.30	3,329.9	360.7	379.4	523.5	2.68	-2.50	-4.38
3,415.0	12.30	48.70	3,361.1	365.3	384.6	530.4	0.68	-0.63	1.25
3,446.0	12.90	47.40	3,391.4	369.8	389.6	537.1	2.14	1.94	-4.19
3,478.0	13.60	48.30	3,422.5	374.7	395.0	544.5	2.28	2.19	2.81
3,510.0	13.90	48.20	3,453.6	379.8	400.7	552.1	0.94	0.94	-0.31
3,542.0	13.90	48.00	3,484.7	384.9	406.4	559.8	0.15	0.00	-0.63
3,573.0	13.70	46.20	3,514.8	389.9	411.8	567.1	1.53	-0.65	-5.81
3,605.0	13.20	45.20	3,545.9	395.1	417.2	574.6	1.72	-1.56	-3.13
3,637.0	12.70	44.80	3,577.1	400.2	422.2	581.8	1.59	-1.56	-1.25
3,668.0	12.70	45.20	3,607.4	405.0	427.1	588.6	0.28	0.00	1.29
3,700.0	12.60	44.90	3,638.6	410.0	432.0	595.6	0.37	-0.31	-0.94
3,732.0	12.60	44.80	3,669.8	414.9	436.9	602.6	0.07	0.00	-0.31
3,763.0	12.60	45.50	3,700.1	419.7	441.7	609.3	0.49	0.00	2.26
3,795.0	13.00	46.00	3,731.3	424.6	446.8	616.4	1.30	1.25	1.56
3,827.0	13.10	46.00	3,762.4	429.6	452.0	623.6	0.31	0.31	0.00
3,859.0	13.40	45.40	3,793.6	434.8	457.3	631.0	1.03	0.94	-1.88
3,890.0	12.90	44.20	3,823.8	439.8	462.2	638.0	1.84	-1.61	-3.87
3,922.0	12.30	43.90	3,855.0	444.8	467.1	645.0	1.89	-1.88	-0.94
3,954.0	12.00	44.00	3,886.3	449.6	471.8	651.7	0.94	-0.94	0.31
3,986.0	11.80	44.10	3,917.6	454.4	476.4	658.3	0.63	-0.63	0.31
4,018.0	11.60	45.00	3,948.9	459.0	480.9	664.8	0.85	-0.63	2.81
4,049.0	11.40	44.30	3,979.3	463.4	485.2	671.0	0.79	-0.65	-2.26
4,081.0	11.50	46.60	4,010.7	467.9	489.8	677.3	1.46	0.31	7.19
4,113.0	11.90	46.80	4,042.0	472.3	494.5	683.8	1.26	1.25	0.63
4,144.0	12.10	47.60	4,072.3	476.7	499.2	690.3	0.84	0.65	2.58



PayZone Directional Services, LLC.

Survey Report



Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R17E
 Well: H-36-8-17
 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference: Well H-36-8-17
 TVD Reference: H-36-8-17L @ 5018.0ft (Newfield Rig #2)
 MD Reference: H-36-8-17L @ 5018.0ft (Newfield Rig #2)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,176.0	12.50	47.70	4,103.6	481.3	504.3	697.1	1.25	1.25	0.31
4,208.0	12.80	48.40	4,134.8	486.0	509.5	704.1	1.05	0.94	2.19
4,239.0	13.00	48.40	4,165.0	490.6	514.7	711.0	0.65	0.65	0.00
4,271.0	13.10	48.70	4,196.2	495.3	520.1	718.2	0.38	0.31	0.94
4,303.0	13.00	49.10	4,227.4	500.1	525.5	725.4	0.42	-0.31	1.25
4,335.0	13.00	49.20	4,258.6	504.8	531.0	732.6	0.07	0.00	0.31
4,366.0	12.70	49.50	4,288.8	509.3	536.2	739.5	0.99	-0.97	0.97
4,398.0	12.30	49.00	4,320.0	513.8	541.4	746.4	1.29	-1.25	-1.56
4,430.0	12.20	48.90	4,351.3	518.3	546.6	753.2	0.32	-0.31	-0.31
4,461.0	11.90	48.00	4,381.6	522.6	551.4	759.7	1.14	-0.97	-2.90
4,493.0	11.70	46.30	4,412.9	527.0	556.2	766.2	1.25	-0.63	-5.31
4,523.0	11.50	45.80	4,442.3	531.2	560.5	772.3	0.75	-0.67	-1.67
4,557.0	11.60	46.40	4,475.6	535.9	565.4	779.1	0.46	0.29	1.76
4,588.0	11.50	47.70	4,506.0	540.1	570.0	785.3	0.90	-0.32	4.19
4,620.0	11.00	47.70	4,537.4	544.4	574.6	791.5	1.56	-1.56	0.00
4,651.0	10.70	47.10	4,567.8	548.3	578.9	797.3	1.03	-0.97	-1.94
4,683.0	11.00	44.40	4,599.3	552.5	583.2	803.4	1.84	0.94	-8.44
4,714.0	11.30	42.70	4,629.7	556.8	587.3	809.4	1.44	0.97	-5.48
4,745.0	11.80	42.00	4,660.1	561.4	591.5	815.5	1.68	1.61	-2.26
4,777.0	12.00	43.80	4,691.4	566.3	596.0	822.1	1.32	0.63	5.63
4,809.0	12.10	45.30	4,722.7	571.0	600.7	828.8	1.03	0.31	4.69
4,840.0	12.30	46.30	4,753.0	575.6	605.4	835.4	0.94	0.65	3.23
4,872.0	12.30	48.20	4,784.2	580.2	610.4	842.2	1.26	0.00	5.94
4,904.0	12.00	47.90	4,815.5	584.7	615.4	848.9	0.96	-0.94	-0.94
4,935.0	12.00	48.80	4,845.8	589.0	620.2	855.3	0.60	0.00	2.90
4,967.0	12.30	48.40	4,877.1	593.5	625.3	862.1	0.97	0.94	-1.25
4,998.0	12.70	48.50	4,907.4	597.9	630.3	868.8	1.29	1.29	0.32
5,030.0	13.10	48.50	4,938.6	602.6	635.7	875.9	1.25	1.25	0.00
5,062.0	13.00	48.30	4,969.7	607.4	641.1	883.1	0.34	-0.31	-0.63
5,092.9	12.90	49.00	4,999.8	612.0	646.2	890.1	0.60	-0.32	2.26
H-36-8-17 TGT									
5,093.0	12.90	49.00	5,000.0	612.0	646.3	890.1	0.60	-0.32	2.28
5,125.0	12.50	47.90	5,031.2	616.7	651.5	897.1	1.46	-1.25	-3.44
5,157.0	12.00	48.50	5,062.4	621.2	656.6	903.9	1.61	-1.56	1.88
5,189.0	12.10	48.40	5,093.7	625.7	661.6	910.6	0.32	0.31	-0.31
5,220.0	11.80	47.00	5,124.1	630.0	666.3	917.0	1.35	-0.97	-4.52
5,248.0	11.80	46.70	5,151.5	633.9	670.5	922.7	0.22	0.00	-1.07
5,283.0	12.00	46.20	5,185.7	638.9	675.8	929.9	0.64	0.57	-1.43
5,315.0	12.40	45.10	5,217.0	643.6	680.6	936.7	1.45	1.25	-3.44
5,347.0	12.60	45.60	5,248.2	648.5	685.5	943.6	0.71	0.63	1.56
5,379.0	12.50	44.90	5,279.5	653.4	690.5	950.6	0.57	-0.31	-2.19
5,410.0	12.70	44.80	5,309.7	658.1	695.2	957.3	0.65	0.65	-0.32
5,442.0	13.00	45.90	5,340.9	663.1	700.3	964.4	1.21	0.94	3.44
5,474.0	13.20	46.50	5,372.1	668.2	705.5	971.7	0.76	0.63	1.88
5,506.0	13.50	47.20	5,403.2	673.2	710.9	979.1	1.06	0.94	2.19
5,538.0	13.60	47.00	5,434.3	678.3	716.4	986.6	0.35	0.31	-0.63
5,570.0	13.70	45.70	5,465.4	683.5	721.9	994.1	1.01	0.31	-4.06
5,602.0	14.28	47.30	5,496.5	688.9	727.5	1,001.9	2.18	1.81	5.00
5,633.0	14.38	48.50	5,526.5	694.0	733.2	1,009.5	1.01	0.32	3.87
5,665.0	14.40	50.00	5,557.5	699.2	739.2	1,017.5	1.17	0.06	4.69
5,697.0	14.60	50.20	5,588.5	704.3	745.3	1,025.5	0.64	0.63	0.63
5,728.0	13.80	51.20	5,618.6	709.2	751.2	1,033.1	2.70	-2.58	3.23
5,760.0	13.30	51.50	5,649.7	713.8	757.1	1,040.5	1.58	-1.56	0.94
5,791.0	13.00	51.90	5,679.9	718.2	762.6	1,047.6	1.01	-0.97	1.29



PayZone Directional Services, LLC.

Survey Report



Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R17E
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 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference: Well H-36-8-17
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 MD Reference: H-36-8-17L @ 5018.0ft (Newfield Rig #2)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
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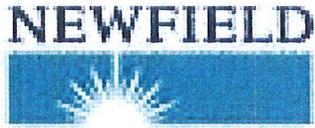
Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,823.0	12.40	50.70	5,711.1	722.6	768.1	1,054.6	2.05	-1.88	-3.75
5,855.0	11.70	49.80	5,742.4	726.9	773.2	1,061.2	2.26	-2.19	-2.81
5,886.0	11.80	48.50	5,772.7	731.0	778.0	1,067.5	0.91	0.32	-4.19
5,918.0	11.90	46.20	5,804.0	735.5	782.8	1,074.1	1.51	0.31	-7.19
5,949.0	11.80	44.90	5,834.4	739.9	787.4	1,080.5	0.92	-0.32	-4.19
5,981.0	12.00	44.00	5,865.7	744.6	792.0	1,087.1	0.85	0.63	-2.81
6,013.0	11.90	43.70	5,897.0	749.4	796.6	1,093.7	0.37	-0.31	-0.94
6,045.0	11.40	44.10	5,928.3	754.1	801.1	1,100.1	1.58	-1.56	1.25
6,076.0	10.90	45.20	5,958.7	758.3	805.3	1,106.1	1.75	-1.61	3.55
6,108.0	10.50	45.90	5,990.2	762.5	809.5	1,112.1	1.31	-1.25	2.19
6,139.0	10.10	47.00	6,020.7	766.3	813.6	1,117.6	1.44	-1.29	3.55
6,170.0	10.00	47.00	6,051.2	770.0	817.5	1,123.0	0.32	-0.32	0.00
6,202.0	10.30	49.10	6,082.7	773.8	821.7	1,128.7	1.49	0.94	6.56
6,233.0	10.20	51.40	6,113.2	777.3	825.9	1,134.2	1.36	-0.32	7.42
6,265.0	9.80	51.00	6,144.7	780.8	830.3	1,139.7	1.27	-1.25	-1.25
6,297.0	9.50	50.40	6,176.3	784.2	834.4	1,145.1	0.99	-0.94	-1.88
6,329.0	9.80	50.40	6,207.8	787.6	838.6	1,150.4	0.94	0.94	0.00
6,360.0	10.15	49.95	6,238.4	791.0	842.7	1,155.8	1.16	1.13	-1.45
6,392.0	9.60	49.40	6,269.9	794.6	846.9	1,161.2	1.74	-1.72	-1.72
6,443.0	9.60	49.40	6,320.2	800.1	853.3	1,169.7	0.00	0.00	0.00
6,446.0	9.60	49.40	6,323.1	800.4	853.7	1,170.2	0.00	0.00	0.00

Wellbore Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
H-36-8-17 TGT	0.00	0.99	5,000.0	612.5	644.8	7,200,914.47	2,072,736.47	40° 4' 41.243 N	109° 57' 17.704 W
- actual wellpath misses by 1.5ft at 5092.9ft MD (4999.8 TVD, 612.0 N, 646.2 E)									
- Circle (radius 75.0)									

Checked By: _____ Approved By: _____ Date: _____



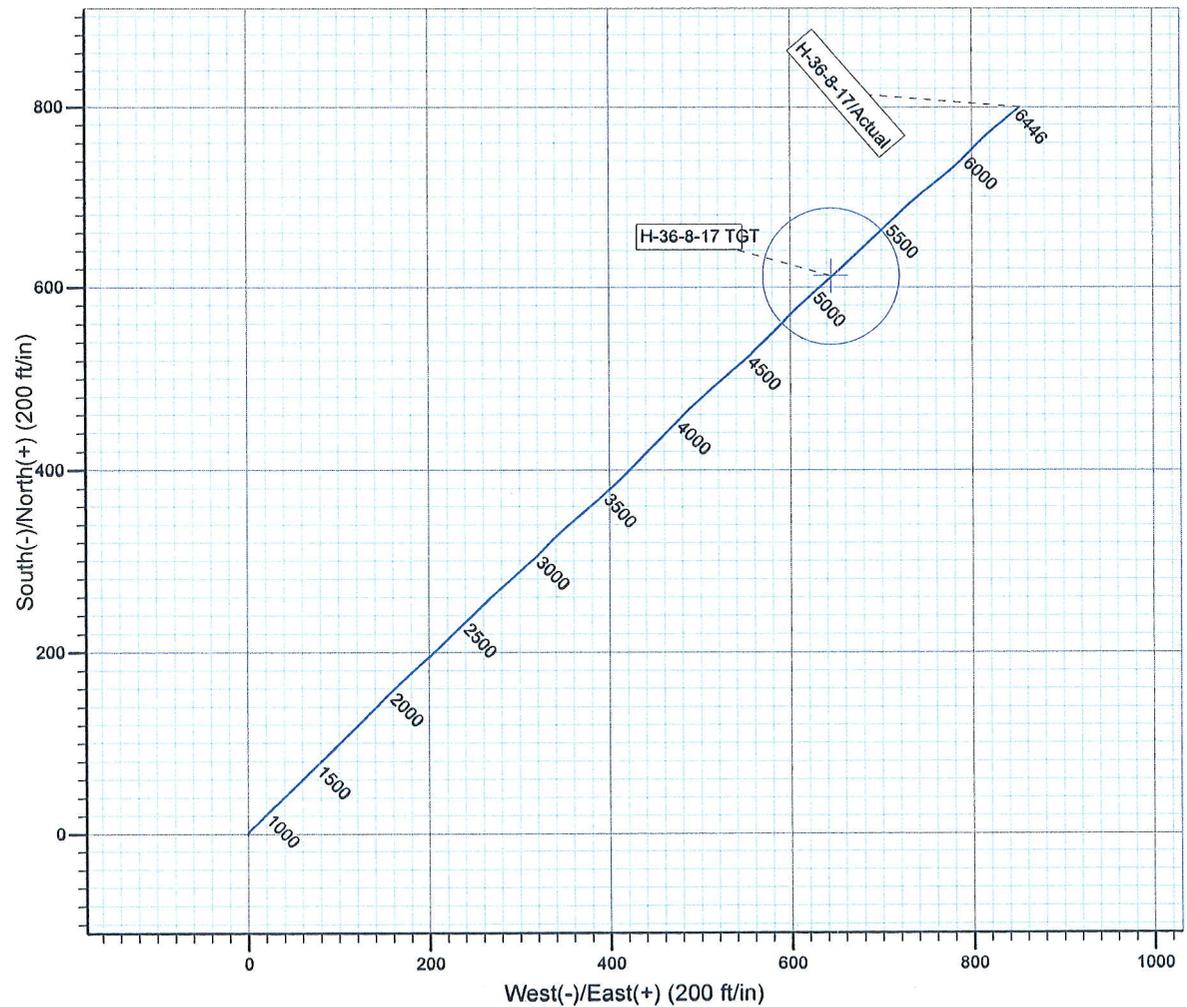
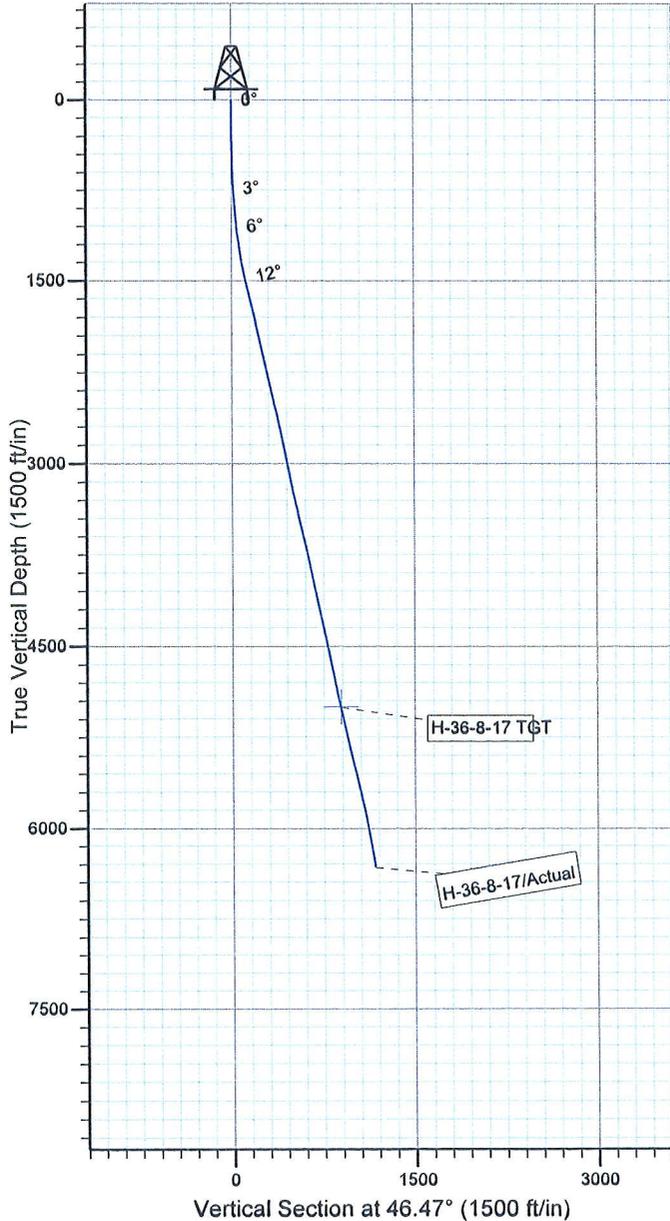
Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R17E
 Well: H-36-8-17
 Wellbore: Wellbore #1
 SURVEY: Actual

FINAL SURVEY REPORT



Azimuths to True North
 Magnetic North: 11.32°

Magnetic Field
 Strength: 52344.1snT
 Dip Angle: 65.85°
 Date: 2011/01/27
 Model: IGRF2010



Design: Actual (H-36-8-17/Wellbore #1)



Created By: Sarah Webb Date: 18:22, June 09 2011
 THIS SURVEY IS CORRECT TO THE BEST OF MY
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

Daily Activity Report**Format For Sundry****GMBU H-36-8-17****3/1/2011 To 7/30/2011****GMBU H-36-8-17****Waiting on Cement****Date:** 5/20/2011

Ross #29 at 315. Days Since Spud - On 5/17/11 Ross #29 spud and drilled 315' of 12 1/4" hole, P/U and run 7 jts of 8 5/8" casing set - yield. Returned 6bbbls to pit, bump plug to 633 psi, BLM and State were notified of spud via email. - 315.47'KB. On 5/20/11 cement w/BJ w/160 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17

Daily Cost: \$0**Cumulative Cost:** \$61,897**GMBU H-36-8-17****Rigging Up****Date:** 6/5/2011

NDSI #2 at 315. 0 Days Since Spud - Rig Down On I-36-8-17 Prepair For Move To H-36-8-17 - Notifed State & BLM 6/4/11,Rig Move 6/5/11 @ 7:00 AM And Bope Test @ 12:00 PM 6/5/11

Daily Cost: \$0**Cumulative Cost:** \$79,707**GMBU H-36-8-17****Drill 7 7/8" hole with fresh water****Date:** 6/6/2011

NDSI #2 at 2012. 1 Days Since Spud - Tested Upper KellyValve,Safety Valve,Pipe Rams,Blind Rams,Choke Line & Manifold - Accepted Rig @ 1:00 PM 6/5/11 R/U B&C Quick Test. - MIRU Set Surface Equipment W/Marcus Liddell Trucking (Moved 3/4 Mile From I-36-8-17) - P/U BHA as follows Varel 7 7/8 VM 616R PDC Bit,Hunting Mud Motor 7/8 4.8 lobe,.33 Rev 1.5 deg,fixd - 1x30' Monel,1x3.39' Doudle Gap Sub,1x2.11 Index Sub,1x5.28' Pony,26 jts HWDP Taged @ 273' - Drill 7 7/8" Hole From 273' To 2012' WOB 20,000 lbs,TRPM 160,GPM 400, AVG ROP 128.8 fph - No H2s Reported Last 24 Hrs. - Last Survey, MD 1831' Angle Deg. 13.10, Drift Dir. 45.60, TVD 1814' Dogleg Severity.47 - to 2000 psi for 10 mins,Test Surface Casing To 1500 psi for 30 mins. Everything Tested OK.

Daily Cost: \$0**Cumulative Cost:** \$103,228**GMBU H-36-8-17****Drill 7 7/8" hole with fresh water****Date:** 6/7/2011

NDSI #2 at 3881. 2 Days Since Spud - Drill 7 7/8" Hole From 2487' To 3881',WOB 15,000 lbs,TRPM 160,GPM 400,AVG ROP 89.9 fph - Trip In Hole - Change Out Double Gap Sub & Survey Tool,R/U Pipe Spinners - T.O.O.H,Tool Failure - Drill 7 7/8" Hole From 2012' To 2487',WOB 15,000 lbs,TRPM 160,GPM 400, AVG ROP 105.5 fph - No H2s Reported Last 24 Hrs.

Daily Cost: \$0**Cumulative Cost:** \$122,737**GMBU H-36-8-17****Drill 7 7/8" hole with fresh water****Date:** 6/8/2011

NDSI #2 at 5464. 3 Days Since Spud - Drill 7 7/8" Hole From 3881' To 4387',WOB 15,000 lbs,TRPM 160,GPM 400,AVG ROP 84.3 fph - Last Survey MD 5347' Angle Deg.12.60 Drift Dir. 45.60 TVD 5248' Dogleg Severity .71 - Well Flowing 25 gal/min @ 5373' - No H2s Reported Last 24 Hrs. - Drill 7 7/8" Hole From 4387'To 5464',WOB 20,000 lbs,TRPM 160,GPM 400,AVG

ROP 61.5 fph - Rig Service,Function Test Bop's,Check Crown-A-Matic,Checked all Pins and Keepers

Daily Cost: \$0

Cumulative Cost: \$155,611

GMBU H-36-8-17

Lay Down Drill Pipe/BHA

Date: 6/9/2011

NDSI #2 at 6445. 4 Days Since Spud - LDDP To BHA - Waiting On Loggers - No H2s Reported Last 24 Hrs - Well Flowing 15 gal/min @ TD 6445' - Pump 260 bbls 10# Brine - Drill 7 7/8" Hole From 5464' To 5908',WOB 20,000 lbs,TRPM 160,GPM 400, AVG ROP 68.3 fph - Rig Service,Check Crown-A-Matic,Function test Bop's,Held Bop Drill - Drill 7 7/8" Hole From 5908' To 6445' TD,WOB 20,000 lbs,TRPM 160,GPM 400,AVG ROP 56.5 fph - Circ Hole For Laydown & Logs - LLDDP To 4000'.

Daily Cost: \$0

Cumulative Cost: \$220,432

GMBU H-36-8-17

Wait on Completion

Date: 6/10/2011

NDSI #2 at 6445. 5 Days Since Spud - Pump 275 sks of lead cement pumped @ 11 ppg & 3.53 yld (Pemium lite ll cmt+0.05llb/sk static free - Circulate bottoms up with rig pump,conduct safety meeting with BJ R/U BJ hard lines, PSI test to3873 - Float @ 6402.32' Will transere 3 jts 117.45' to the GMBU Q-36-8-17 P/U Cameron Mandril & Landing jt - Conduct safety meeting with csg crew and R/U liddell crew run 155 jts 5.5" j55 15.5# LTC.set @ 6446' - +3% bwowPotassium chloride+0.5llb/sks cellow flake+2llbs Ko seal + 0.002gps FP-6L+10% bwow bentonite - +0.5llbs/sks CSE-2+204.7% H2O Then pumped 400 sks tail cmt @ 14.4ppg&1.24yld(50:50)Poz(Fly Ash):Clas - G cmt +0.05 llb sks Static free +3%bwow Potasium Chloride + 0.5%bwocEC-1-.25llb/sks cello flake +0.0 - 02gps FP-6LbentonitebwocSodium Metasilicate+54.7%H2O displaced w/152 bbls returned 40bbls topit bump - Plug to 2202 psi Nipple Down clean mud tanks tear down and prepair for 1 mile field rig move. - Rig released @ 12:00 AM 6/10/2011 - Wait on logging truck. - Continue laying down BHA and directional tools. - R/U PSI loggers and run Gamma Ray, Compensated, Netron,Compensated Density,Caliper,Dual Guard/Suite - R/U B&C quick test pressure test 5.5 casing rams. - logs, From loggers TD (6466')to surface casing. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$344,770

Pertinent Files: [Go to File List](#)